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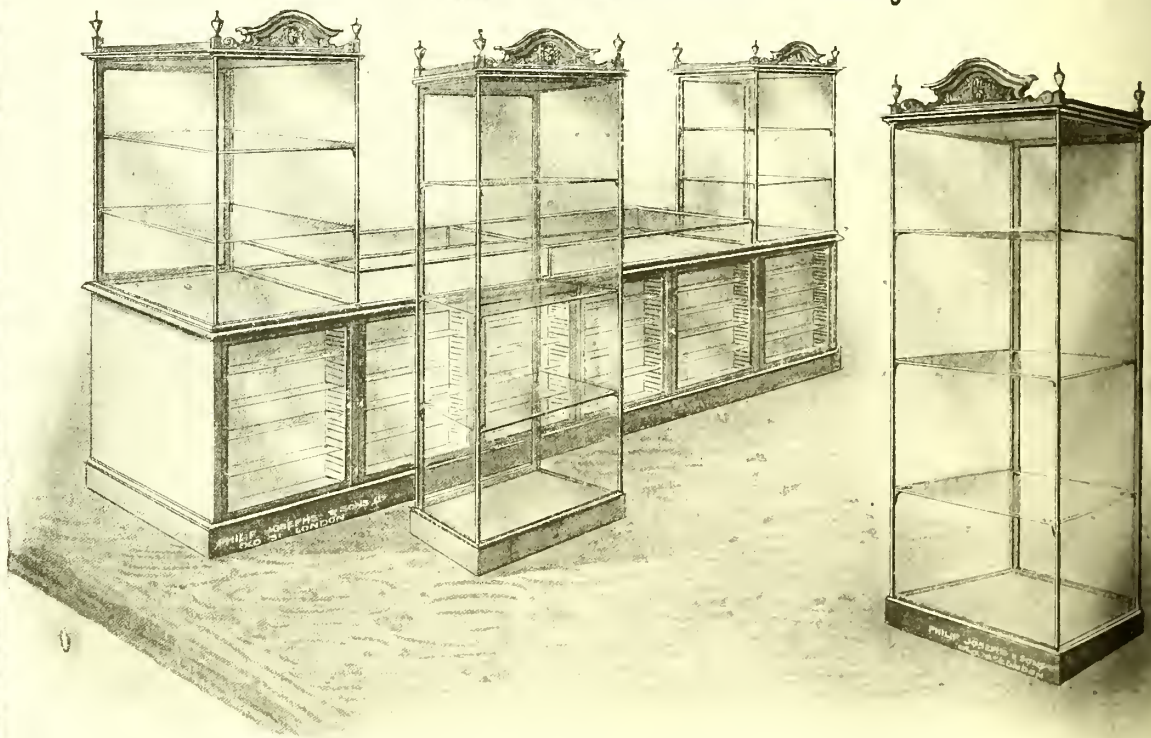
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Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Southall Bros. & Barclay, Ltd.
Woolley, Jas., Sons & Co.
Wright, Layman & Umney, Ltd.

MEMAS

Balley, W. H., & Son
Burge, Warren & Ridgley, Ltd.
Devil Rubber Co.
Law, S., Son & Sons
Toogood, W., Ltd.
Varne, W., & Co., Ltd.

OTOMOLOG. APPARATUS

Fatkins & Donoaster

SOM SALTS

Howards & Sons, Ltd.

SENCES, CONCRETE

Lantier Fils

Murray O., & Co., Ltd.

SENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Boake, Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Fuerst Bros.
Gay, Wm., Ltd.
Lantier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Pencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

HERS

Baiss Bros. & Stevenson, Ltd.
Boafarlan, J. F., & Co.
Gay & Baker, Ltd.
Geyer, T., & Co., Ltd.
Hite, A., & Sons

ECALYPTUS OIL

Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.

EXTRACT OF HERBS

Newball & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)

Allen, Stafford, & Sons, Ltd.
Chemist's Co-operative Wholesale
Evans Sons Lescher & Webb
Fothergill's Exor.
Hewlett, C. J., & Son, Ltd.
Uniklijke Pharm. Handels.
Ansom, W., & Son
(See also WHOLESALE DRUGGISTS)

FINDING BOTTLES

Hewlett, E., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Ovenden, R., & Sons, Ltd.
Inner Bros., Ltd.

Law, S., Son & Sons

Angers'

Port Bros.

Southall Bros. & Barclay, Ltd.

FILTRISERS

Ues Kalisyndikat
Wass, Walter, & Co.
Hith's Chemical Manure Co.

FIERS

Herfeld Filter Co., Ltd.

Hits, Theo

FIGER STALLS

Port Bros.

FISH GLOVES

Angers'

Port Bros.

FICATCHERS

Abastine Co. (British), Ltd.
Ansomere Manfg. Co.
rd, Shapland & Co.
owain, C.
okson, W. & H.
y Bros., Ltd.
Hith, J. H., & Co.
nbridge & Wright

FOODS, INFANTS'

Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Loftbouse & Saltmer
Natrul Food Co., Ltd.
Willows, Francis B. & T.

FOODS, SPECIAL

Allen & Hanburys, Ltd.
Bayer Co., Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Brusson Jenne
Burt, C. J.
Callard & Co.
Deans, Logan & Co., Ltd.
Fairchild Bros. & Foster
Frame Food Co., Ltd.
Menley & James, Ltd.
Natrul Food Co., Ltd.
Virol, Ltd.
Wander, A.

FRUIT SYRUPS

Idris & Co., Ltd.

FULLER'S EARTH

Mumford, G. S., & Sons

FUNNELS, ALUMINIUM

Reuter, R. J.

GLAUBER'S SALT

Bramwell E., & Son

Howards & Sons, Ltd.

GLYCERIN

Fuerst Bros.
Meffert, Hermann & Co.
Price's Patent Candle Co.
Steven, Andrew, & Son

GLYCERIN PLANT

Forshaw, E., & Son, Ltd.

GLYCEROPHOSPHATES

Merck, C.

GOLDBEATER'S SKIN

Gutmann & Leslie Gates

GOLD PAINT

Judson, D., & Son

GRINDERS, DRUG, ETC.

Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

GUMS

Fink, F., & Co.

HAIR DYES

Blackie, Robert
Harker, Stagg & Morgan, Ltd.

HAIR PREPARATIONS

Bates, F. W.
Blackie, Robert
Capsuloids (1909), Ltd.
Chesebrough Manfg. Co.
Edwards' "Harlene" Co.
Egglossa Mngf. Co.
Harker, Stagg & Morgan, Ltd.
Herpicide Co.
John Strange Winter
Robare's Aureoline
Rowland, A., & Sons
To-Kalon Mngf. Co., Ltd.

HAT DYES

Whitaker & Co.

HERBS

Brook, Parker & Co., Ltd.
Potter & Clarke, Ltd.
Ransom, W., & Son

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.
Epps, James, & Co.
Keene & Ashwell, Ltd.
Leath & Ross

HOTELS

Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES

Berliner, Arthur
Burge, Warren & Ridgley
Dunlop Rubber Co., Ltd.
Galen Mfg. Co., Ltd.
Hatchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Newbery, F., & Sons, Ltd.
Southall Bros. & Barclay
Tompkins, James, Ltd.
Wood, Vincent.

HEATING APPARATUS

Clark, S., & Co.

HYDROGEN PEROXIDE

May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES

May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

INHALERS

Maw, S., Son & Sons

INK

Williams Bros. & Co.

INSECT POWDER

Keating, Thomas

Shirley Bros., Ltd.

INSECTICIDES

Aome Chemical Co., Ltd.
Corry & Co., Ltd.
Christy, Thos., & Co.
Howarth & Fair
Tomlinson & Hayward, Ltd.

Voss, Walter, & Co.

INVALID CHAIRS

Ellmore, W. T., & Son, Ltd.

IODINE AND IODIDES

Howards & Sons, Ltd.

Morson, T., & Son

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Breffit, E., & Co., Ltd.

Bush, H. W., & Co., Ltd.

Christy, T., & Co.

Johnson & Jorgensen Ltd.

Kilner Bros., Ltd.

Lang, Jules, & Son

Maw, S., Son & Sons

Poths, H., & Co.

Reuter, R. J.

Stipendum Stopper Co.

Toogood, W., Ltd.

LACTIC FERMENT PREPS.

Allen & Hanburys, Ltd.

Cox, Arthur H., & Co., Ltd.

Davies Sons & Co.

Evans Sons Lescher & Webb, Ltd.

Lloyd, T. Howard, & Co.

Martindale, W.

Parke, Davis & Co.

Standard Tablet Co.

Wilcox, Jozeau & Co.

LANOLINE

Burroughs Wellcome & Co.

Christy, T., & Co.

LARD

Ewen, J., & Sons

LEATHER DYES

Williams Bros. & Co.

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb

Goodall, Backhouse & Co.

LINSEED, CRUSHED, ETC.

Allen, Stafford, & Sons

Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.

Robinson & Sons, Ltd.

Taylor, W. G.

Vernon & Co., Ltd.

LIQUORICE JUICE

British Drug Houses, Ltd.

Evans, Gray & Hood

Fuerst Bros.

Evans Sons Lescher & Webb, Ltd.

Horner & Sons

Jackson, E. E.

Mumford, G. S., & Sons

LIQUORS, CONC., ETC.

Fletcher, Fletcher & Co.

Hewlett, C. J., & Son

Robinson, B., & Co.

LITHIA SALTS

British Drug Houses, Ltd.

Fuerst Bros.

May & Baker, Ltd.

Merck, E.

LOZENGES

Ayrton, Saunders & Co., Ltd.

Cox, A. H., & Co., Ltd.

Denoual, J., & Co.

Guest, Thos., & Co.

Jackson, E. E.

Potter & Clarke, Ltd.

Raines & Co.

Warwick Bros.

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.

Bennett, E., & Son, Ltd.

Bennett, Sons & Shears, Ltd.

Braithwaite H., & Co., Ltd.

Forshaw, E., & Son, Ltd.

Gardner, Wm., & Sons, Ltd.

Pindar, J. W., & Co.

Stokes, F. J., Machine Co.

Thompson & Capper (Stokes)

Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS

Henry, T., & W.

Howards & Sons, Ltd.

May & Baker, Ltd.

Parke, Davis & Co.

Washington Chemical Co., Ltd.

MARKING INK

Hickisson, A. (Bond's)

Williams Bros. & Co.

MAILING CASES

Estes, E. B., & Sons

MALT EXTRACT AND PREPS

Allen & Hanburys, Ltd.
Blackie, R.
British DiaMalt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett, C. J., & Son
Lorimer & Co., Ltd.
Montgomery & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney

MEASURES

Beaton & Co.

Bush, H. W., & Co., Ltd.

MEAT EXTRACTS

Armour & Co., Ltd.

Brand & Co., Ltd.

MEDICINE CHESTS

Burroughs Wellcome & Co.

Keene & Ashwell, Ltd.

Leath & Ross

Lloyd, T. Howard, & Co.

Parke, Davis & Co.

MENTHOL CONES

Bush, H. W., & Co., Ltd.

Lubenow, Hugo, Ltd.

Maw, S., Son & Sons

MERCURIALS

Howards & Sons, Ltd.

May & Baker, Ltd.

Merok, E.

Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS

Darton, F., & Co.

METHYLATED SPIRIT

Burrough, J., Ltd.

Preston's Liverpool Distillery

Randall & Son, Ltd.

MICROSCOPES

Darton, F., & Co.

MINERAL WATERS AND SALTS

Apollinaris Co., Ltd.

British Drug Houses, Ltd.

Burrow, W. & J.

Cheltenham Municipality

Findlater & Co., Ltd.

Hughes, E. Griffiths

Ingram & Royle, Ltd.

Vichy (State Springs)

MUSK ARTIFICIAL

Mallmann, W.

OILS, ESSENTIAL

Allen, Stafford, & Sons, Ltd.

Alliance Drug & Chem. Co.

Bennett Bros.

Boake, Roberts & Co.

Bnsb, W. J., & Co., Ltd.

Chiris, Antoine

Dodge & Olcott Co.

Evans Sons Lescher & Webb, Ltd.

Fuerst Bros.

Horner & Sons

Jackson, J., & Co.

Lantier Fils

OTTO OF ROSE

Bontoheff & Kidoff
Reitmeyer & Co. (synthetic)
Shipkoff & Co.

OXYGEN APPARATUS

Oppenheimer, Son & Co., Ltd.

OZONE GENERATOR

Renter, R. J.

PALATINOLIDS

Oppenheimer, Son & Co.

PAPER TUBES

O'Neill, S., & Sons, Ltd.

PASTILLES

Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Denoual, J., & Co.
Epps, James & Co.
Evans Sons Lescher & Webb
Quest, Thos., & Co.
Wander, A.
Warriok Bros.

PATENT AGENT

Barker, R. W.

PERFUME FILTERS

Seits, Theo.

PERFUME MATERIALS

Beisly, W. G.
Bontoheff & Kidoff
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Lautier Fils
Murray, O., & Co., Ltd.
Scheller, Emil & Co.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co
Zimmermann, C., & Co.

PERFUMES

Allen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Naef & Co.
Erasmio Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Hovsden, R., & Sons, Ltd.
John Strange Winter
Lesool Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Morison, G. H., & Co., Ltd.
Newbery, F., & Sons, Ltd.
Oatine Co.
Queloh, H. C., & Co.
Southall Bros. & Barclay
Spencer, J., Son & Co.
To-Kalon Mfg. Co., Ltd.
Warrick Bros.
West, T., & Son

PESSARIES

Burge, Warren & Ridgley
Rendell, W. J.

PETROLEUM JELLY

Chesebrough Mfg. Co.
Sohliemann's Oil & Ceresine Co.

PHOTO. CHEMICALS

Boehringer, O. F., & Soehne
Reitmeyer & Co.

PHOTO. ENLARGERS,

PRINTERS, &c.

Done, John
Express Developing Co.

Halifax Photograph Co.

PHOTO. GOODS

Barclay & Sons, Ltd.
Burroughs Wellcome & Co.
Darton, F., & Co.
Evans Sons Lescher & Webb, Ltd.
Halifax Photograph Co.
Ilford, Ltd.
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Newbery, F., & Sons, Ltd.
Reitmeyer & Co.

PILL COUNTERS

Bornkessel, F. G.

PILL MAKERS

Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.

PLEATED PAPER

Darter, Wilkinson & Co.

PLASTERS

Alcock Mfrs Co
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas, A. de St., & Co.
Geiger & Braun
Leslies, Ltd.

Maw, S., Son & Sons

POLISHES (VARIOUS)

Bradley & Bourdas
Judson, Daniel, & Son
Oakley, J., & Son, Ltd.

POTASH

Neues Kalisyndikat

PRINTERS

Christie, Maloolm & Co.
Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Smith, W. H., & Son
Timme, W. O., & Co.
Townsend, J., & Sons

PROPRIETARY ARTICLES

Ashton & Parsons, Ltd.
Barclay & Sons, Ltd.
Bayer Co., Ltd.
Beecham, T.
Bell, John, Hills & Lucas, Ltd.
Boulton, J., & Co.
Box, W. H.
British Drug Houses, Ltd.
British Liquezone Co.
Burgess, E.
Capsuloids (1909), Ltd.
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Conoid Co.

Cox, A. H., & Co., Ltd.

Daggett & Ramsdell

Daisy, Ltd.

Danyz Virns, Ltd.

Da Silva & Co.

Davenport, J. T., Ltd.

Day & Sons (Crewe), Ltd.

Denoual, J., & Co.

Ecolent Compounds, Ltd.

Edwards, W., & Son

Evans Sons Lescher & Webb, Ltd.

Faulding, F. H., & Co.

Fellows' Syrup

Fennings, Alfred

Ferris & Co.

Freeman's Chlorodyne, Ltd.

Fulford, C. E., Ltd.

Goodall, Backhouse & Co.

Harvey & Co. (Dublin), Ltd.

Henry, T. & W.

Hovenden, R., & Sons, Ltd.

Hughes, E. Griffiths

Ichthyol Gesellschaft

International Chemical Co.

Iron-Ox Rem. Co., Ltd.

Jackson, T.

Karox Mfg. Co., Ltd.

Kay Bros., Ltd.

Kutnow, S., & Co. Ltd.

Lalor's Phosphodyne

Lofthouse & Saltner

Lorimer & Co., Ltd.

Martindale, W.

May, Roberts & Co.

Menley & James, Ltd.

Newbery, F., & Sons, Ltd.

Odol Chemical Works

Owbridge, W. T., Ltd.

Pedey Co.

Phillips, Chas. H., Chem. Co.

Regulin Syndicate, Ltd.

Reitmeyer & Co.

Resinol Chemical Co.

Sangers'

Sartolin, Ltd.

Schimmel & Co.

Scott & Bowne, Ltd.

Squire & Sons

Standard Tablet & Pill Co.

Stedman's Teething Powders

Thompson & Capper

Tomoda K., & Co.

Tunbridge & Wright

Voss & Co.

Walker & Son

Wilcox, Jozeau & Co.

Zimmermann, A. & M.

Zimmermann, C., & Co.

Zotos, Ltd.

(See also DENTRIFICES and TOILET ARTICLES)

PULVELLÆ

Warrick Bros.

PULVERETTES

Oppenheimer, Son & Co., Ltd.

PUMPS

Berkfeld Filter Co., Ltd.

RESPIRATORS

Zimmer & Co.

QUININE AND SALTS

Boehringer, O. F., & Soehne
Burroughs Wellcome & Co.
Howards & Sons, Ltd.
Pointet & Girard

RAZORS

Anto-Strop Safety Razor Co.
International Distributing Co.

RENNET

Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

RESINS AND RESINOLIDS

Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. & H., Ltd.

RUBBER GOODS

Burge, Warren & Ridgley, Ltd.
Daval Rubber Co.
Dunlop Rubber Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Galen Mfg. Co.

Hanover Rubber Co.

Haywood, J. H., Ltd.

Hovenden, R., & Sons, Ltd.

Hutchinson Co.

Maw, S., Son & Sons

May, Roberts & Co.

Shirley Bros., Ltd.

Warne, W., & Co., Ltd.

RUBBER SPONGE

Hanover Rubber Co.

SACCHARIN

Saccharin Corporation, Ltd.

SALICIN

Macfarlan, J. F., & Co.

Smith, T. & H., Ltd.

SAMPLE CASES

Keane, Thomas

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, C. W.

Sthamer, Dr. R.

SAUCES

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morson, T., & Son

SCALES, WEIGHING

Maw, S., Son & Sons

Parnall & Sons, Ltd.

Southall Bros. & Barclay, Ltd.

SEA SALT

Tidman & Son, Ltd.

SEA-SICKNESS REMEDY

Zotos, Ltd.

SEEDS

Bernhardt, I.

Brook, Parker & Co., Ltd.

Conway, Wm., & Sons, Ltd.

Potter & Clarke, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanburys, Ltd.

American Animal Therapy Co.

Evans Sons Lescher & Webb

Parke, Davis & Co.

Schimmel & Co.

Wilcox, Jozeau & Co.

SHARES

McAdam & Tackniss

SHEEP-DIPS

Acme Chemical Co., Ltd.

Burt, Boulton & Hayward

Sanitas Co., Ltd.

Tomlinson & Hayward, Ltd.

SHOP-FITTING

Ayrton-Graham, Ltd.

Rowling & Son

Evans Sons Lescher & Webb, Ltd.

Josephs, Philip, & Sons, Ltd.

Maw, S., Son & Sons

Mills, H.

Parnall & Sons, Ltd.

Rudduck & Co.

Sangers'

Southall Bros. & Barclay, Ltd.

SHOULDER-STRAPS

Wood, Vincent

SOAP MATERIALS

Armour & Co., Ltd.

Chiris, Antoine

SOAP PLANT

Forshaw, E., & Son, Ltd.

SOAPS, MEDICATED

Armour & Co., Ltd.

Bronnley, H., & Co., Ltd.

Fulford, C. E., Ltd.

Lambert Pharmaceutical Co.

Resinol Chemical Co.

Wright Layman & Umney

SODIUM BICARBONATE

Brunner, Mond & Co., Ltd.

Electrolytic Alkali Co., Ltd.

Howards & Sons, Ltd.

Mumford, G. S.

SODA FOUNTAINS

Consol Automatic Aerators, &

SOAPS

Allen & Hanburys, Ltd.

Armour & Co., Ltd.

Bell (John), Hills & Lucas, &

Bronnley, H., & Co., Ltd.

Chesebrough Mfg. Co.

Cook, E., & Co., Ltd.

Erasmio Co., Ltd.

Evans Sons Lescher & Webb &

Hull Oil Mfg. Co., Ltd.

International Distributing Co.

John Strange Winter

Lesool Perfumery Co.

Oakley, J., & Son, Ltd.

Pears, A. & F., Ltd.

Peats Products (Sphagnol), &

Price's Patent Candle Co.

Shaw, Henry, & Co.

Wright, Layman & Umney

SOOTHERS & FITTINGS

Shirley Bros., Ltd.

SOYA OIL

Hull Oil Mfg. Co.

SPARKLETS

Aerators, Ltd.

SPECTACLES

Botwright & Grey

Darton, F., & Co.

Maw, S., Son & Sons

Nitsche & Günther

Raphael's, Ltd.

SPHYGMOMETERS

Hicks, J. J.

SPINAL CARRIAGES

Ellmore, W. T., & Son, I.

SPIRIT OF WINE

Burroughs, J., Ltd.

Preston's Liverpool Distill

SPONGE BAGS

Maw, S., Son & Sons

Schutz, F., & Co.

Toogood, W., Ltd.

SPONGES

Internl. Sponge Importers

SPENSORY BANDAGES

Wiley, W. H., & Son
angers

SIMMING FLOATS

Butte, F., & Co.

SYNTHETIC PERFUMES

ennett Bros.
ehringer, C. F., & Soehne
ish, W. J., & Co., Ltd.
nit, Naef & Co.
mpagnie Morana
erst Bros.
llmann, W.
rray, O., & Co., Ltd.
itmeyer & Co.

SYNTHETIC REMEDIES

ehringer, C. F., & Soehne
ehringer, C. H., Sohn
fmann-La Roche, Ltd.
itmeyer & Co.
del, J. D., Co.
Hunsberger, J. H., & Co.

SYNTHONS

rators, Ltd.
rnett & Foster
mitt, E., & Co., Ltd.
nwal, Ltd.
gienic Syphon Co. (1910), Ltd.
is & Co., Ltd.

SYNGES HYPODERMIC

roughs Welloome & Co.

SYNGES (PATENT)

ghes, G.

TALET MACHINERY

en & Hanburys, Ltd.
ompson & Capper

Wkinson, S. W., & Co.

TALETS, COMPRESSED

en & Hanburys, Ltd.
hs, O. F., & Co.
nop, Alfred, Ltd.
tish Drug Houses, Ltd.
Ctwright, W. B., Ltd.
C. A. H., & Co., Ltd.
lies, Sons & Co.
Lacan, Flockhart & Co.
ns Sons Lescher & Webb, Ltd.
Evards & Sons, Ltd.
Jkson, E. B.
Lod, T. Howard, & Co.
Pks, Davis & Co.
Shard Tablet & Pill Co.
Timpson & Capper
Wed Manufacturing Co.

TABLOID PRODUCTS

Burroughs Wellcome & Co.

TARTARIC ACID

British Drug Houses, Ltd.
Boehringer, C. H., Sohn
Fnerst Bros.

TOILET ARTICLES

Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Auto-Strop Safety Razor Co.
Bash & Co.
Beetham, M., & Son
Berliner, Arthur
Blackie, R.
Bronnley, H., & Co., Ltd.
Burroughs Welloome & Co.
Chesebrough Mfg. Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Daggett & Ramsdell
Daisy, Ltd.
Edwards' Harlene Co.
Egglossa Mfg. Co.
Erasmic Co., Ltd.
Eueryl, Ltd.
Fulford, O. E., Ltd.
Hall & Ruckel
Harker, Stagg & Morgan, Ltd.
Hovenden, R., & Sons, Ltd.
John Strange Winter
Lloyd, A., & Co.
Lloyd, A. S. (Hovenden)
Lorimer & Co., Ltd.
Marshalls, Ltd.
Morison, G. H., & Co., Ltd.
Mysantal Co.
Newbery, F., & Sons, Ltd.
Nottingham Perfumery Co.
Oatline Co.
Odol Chemical Works
Papier Pondré, Ltd.
Parke, Davis & Co.
Pomeroy, Mrs., Ltd.
Quelch, H. O., & Co.
Renter, R. J.
Rowland, A., & Sons
Sangers'
Sanitas Co., Ltd.
Shaw, Henry, & Co.
Standard Tablet & Pill Co.
To-Kalon Mfg. Co., Ltd.
Toogood, W., Ltd.
Velvix Toilet Co.
Woolley, J., Sons & Co., Ltd.

TELESCOPES

Darton, F., & Co.

TIN BOX MAKERS

Goodall, Backhouse & Co.
Huntley, Boorne & Stevens

TOBACCO

Hovenden, R., & Sons, Ltd.
Singleton & Cole, Ltd.

TOBACCO PREPARATIONS

Corry & Co., Ltd.

TOILET PAPER

Ford, Shapland & Co.
O'Neill, Samuel, & Sons, Ltd.
Townsend, J., & Sons

TOOTH STOPPING

Stevens, P. A.

TRADE-MARKS AGENTS

Barker, R. W.
Ford, Shapland & Co.

TRUSSES

Bailey, W. H., & Son
Haywood, J. H.
Sayers, Silcox, Cuzner & Co.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

TUBED SPECIALITIES

Christy, T., & Co.
Marshalls, Ltd.
Sangers'

TURNED WOOD BOXES

Estes, E. B., & Sons
Rogers & Co.

TYPEWRITERS

Yost Typewriter Co., Ltd.

VACCINE

Evans Sons Lescher & Webb

VACUUM PANS

Braithwaite, H., & Co., Ltd.

VALUERS

Alexander, H. P.
Baker, P. C.
Berdoe & Fish
Brett & Co.
Orridge & Co.
Smith, Fredk. W.
Tomlinson, T., & Son

VANILLA

Whittaker, Arthnr

VASELINE

Chesebrough Mfg. Co.

VERMIN-KILLERS

Danyssa Virns, Ltd.
Evans Sons Lescher & Webb, Ltd.
Farmer, F., & Co.
Harker, Stagg & Morgan, Ltd.
Kay Bros., Ltd.

VETERINARY INSTRUMENTS

Lloyd, T. Howard, & Co.

VETERINARY REMEDIES

Chesebrough Mfg. Co.
Day & Sons (Orewe), Ltd.
Edwards, W., & Son
Harvey & Co. (Dublin), Ltd.
John, H. C.
Lloyd, T. Howard & Co.
Tomlinson & Hayward, Ltd.
Walker, Troke & Co.
Wand Mfg. Co.
Wilson Vet. Mfg. Co.
Young, W. F.

VINEGAR

Grimble & Co.

WATERS, CONCENTRATED

Chemist's Co-operative Wholesale
Robinson, B., & Co., Ltd.

WAXES

Sohliemann's Oil & Ceresine Co.

WEED-KILLERS

Acme Chemical Co., Ltd.
Burt, Boulton & Haywood

WEIGHING MACHINES

Butler, Theodore, Ltd.

WINES

Burrough, J., Ltd.
Lorimer & Co., Ltd.
Robinson, B., & Co., Ltd.

WINES, MEDICATED

Burrough, J., Ltd.
Burroughs Welloome & Co.
Coleman & Co., Ltd.
Deans, Logan & Co., Ltd.
Findlater, Mackie, Todd & Co.
Fletcher, Fletcher & Co., Ltd.

WOOD STAINS

Williams, Bros. & Co.

WRIST STRAPS

Solport Bros.

ZINC OXIDE

Baiss Bros. & Stevenson
Fnerst Bros.
Hubbuck, T., & Son, Ltd.

OLDFIELD, PATTINSON & CO.

TELEGRAMS: "OPIUM, MANCHESTER."

A RELIABLE HOUSE FOR
All Pharmaceutical Preparations.

CONCENTRATED WATERS.
CONCENTRATED INFUSIONS.

Syr. Hypophosphites Co. (NEUTRAL)
ELIXIR TERPINI ET HEROIN COMP.
THYMOLYPTOL.

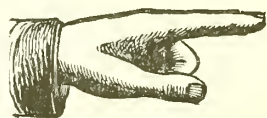
Syr. Glycerophosph. Co.
LIQUID EXTRACTS.
LEVIGATED OINTMENTS.
ESSENTIAL OILS.

"Silver Churn" Dairy Specialities.

Special Prices to Large Buyers.

Write for List.

MANCHESTER.

**N.B.****CHEMISTS' EXHIBITION**

WE INVITE the trade to
visit our Exhibit Stand in
above on the 9th inst. and
following days. We are ex-
hibiting original shop fittings in
addition to our specialities, &c.,
and one or more of our
Directors will be in attendance.

EVANS SONS LESCHER & WEBB
LIMITED.
Liverpool and London.

54 Our Stand at the Chemists' Exhibition



We invite all Chemists to inspect a few unique lines which we feel sure will command their interest and attention.

MAW'S LAVATORY DISINFECTOR—Demonstrated.

MAW'S "PRESCRIPTION" TABLET MACHINE.

Price 30/- Shown for the first time.

MAW'S DRYING OVEN FOR GRANULATIONS.

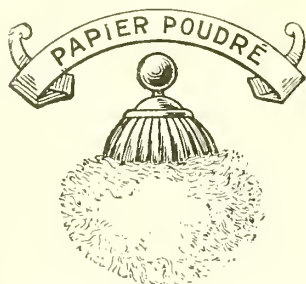
MAW'S ELECTRIC FLAMBEAU.

7 TO 12 Aldersgate Street, E.C.

Where all Chemists are cordially invited to inspect our permanent exhibition of Druggists' and Surgical Sundries and Sponge.

PAPIER POUDRE

REGISTERED



PAPIER POUDRÉ, LTD.,
23, Somerset Street, London, W.,
and in Paris.

POWDER IN BOOK FORM WITHOUT A PUFF.

The Original PAPIER POUDRE in Dainty Books.

Papier Poudré, 3/4 size	per doz. net.	2/-
" " 4 1/2 size	White, Rose, or Rachel,	2/6
" " 6 1/2 size	Scented or Unscented.	3/9
" " 1/- size		7/6
Papier Poudré Shaving Pads, 6 1/2 size (White)		3/9
1/- Mirror Cases, containing Pad of Papier Poudre...		7/6
3d. Refills for Mirror Case ...		2/-

Special Prices to Wholesalers and Shippers.

TRADE

MARKS.



"LEHCARESOR."

Papier Poudre

CAUTION.

In the Civil Tribunal of the Seine, on April 1st, 1909, after protracted litigation, an injunction was obtained against a Paris House for an infringement of these Trade Marks, full costs and damages being then awarded to PAPIER POUDRÉ, LIMITED.

**RESOLUTELY REFUSE ALL
SUBSTITUTES.**

NONE GENUINE WITHOUT OUR TRADE MARKS.

Price List on application.

Customers welcomed at **STAND No. 46** at the **CHEMISTS' EXHIBITION**.



COME AND SEE US

AT THE

CHEMISTS' EXHIBITION

STAND 17.

**ÆSCULAPIUS
INVITES YOU**

You have read our weekly talks and you are no doubt convinced that the wonderful

VISCOSE BOTTLE CAPS

are all we claim them to be. But why not see us at the Horticultural Hall and let us prove it. We can then demonstrate to you personally in a few seconds the utter simplicity of bottle capping in the "Viscose" way. We can and will prove to you their saving in time, labour, and money, and their efficiency and reliability, in fact we will prove that they are far superior to skins or any other method of capping you know of. Remember the **STAND No.—17**. If you cannot call and see us we will send you the Free Booklet on receipt of a postcard.

VISCOSE DEVELOPMENT CO., Ltd. 11 Queen Victoria St.
LONDON, E.C. 4.

NEXT WEEK



The Sixteenth CHEMISTS' EXHIBITION

Royal Horticultural Hall,
Vincent Square, Westminster,
London, S.W.,

Monday to Friday, May 9—13
(inclusive),
11 a.m. till 10 p.m. daily.

SPECIAL PHOTOGRAPHIC EXHIBITS.
RECEPTION ROOM for PHARMACISTS.
ORCHESTRAS all day without interval.
A big social function combining business
and pleasure.

"The British and Colonial Druggist,"
44, Bishopsgate Without, London, E.C.

Inducements for Buyers.

THE Exhibition pays
part of the rail-
way fares of provincial
chemists in business.
Full particulars on
application to the
"B. & C. D."

EVERY Chemist is
entitled to free
ticket of admission, which
can be obtained from
"B. & C. D." offices
on receipt of stamped
addressed envelope.

OVER 120 Stands
occupied by all
the Leading Houses in
the Trade.

CHEMISTS' EXHIBITION

Stand 58.



*Do not fail to
give us a call.*

**INDIA
RUBBER
GOODS.**

HUTCHINSON

**for
Chemists'
and
Druggists'
trade.**

THE HUTCHINSON CO.

70 Basinghall Street.

Telephone : 3265 London Wall.

Telegrams : "Hutchinson London."

Chemists' Exhibition, 1910.

H. BRONNLEY & CO., LTD.

Beg to inform their friends that
they are not exhibiting at the
Chemists' Exhibition this year,
but will be pleased to receive
visits from the trade at their
===== Showrooms =====

WARPLE WAY, ACTON VALE, W.

Arrangements have been made
with the "W. & G." taxicabs to
bring Chemists to our works
free of charge.

May 5th, 1910.

COUPON

available for drive to—

**BRONNLEY'S SOAP WORKS,
Warple Way, Acton,**

by the "W. & G." taxicabs from May 9th to
May 13th, inclusive.



=====

THIS COUPON IS TO BE
HANDED TO THE DRIVER.

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THE HYGIENIC SYPHON CO. (1910), LTD.

AT LAST!!!

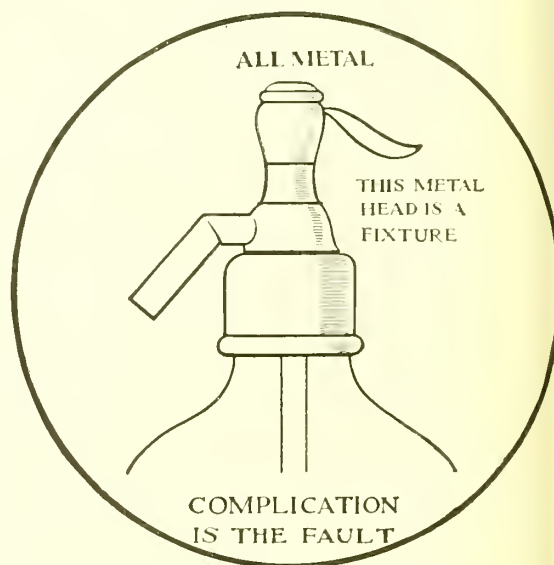
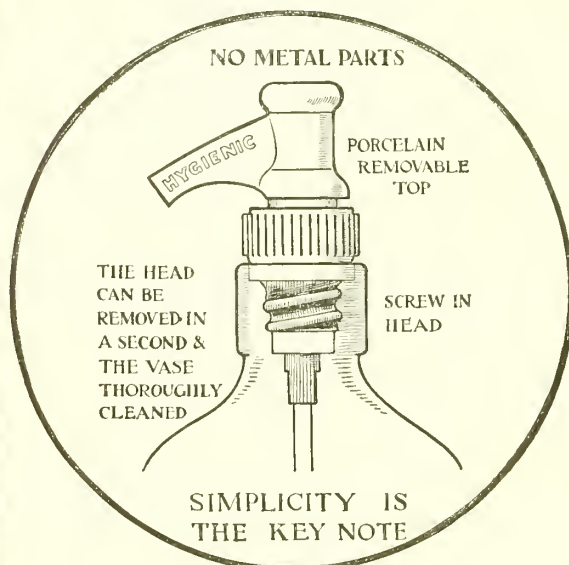
A REAL

HYGIENIC SYPHON.

WHY NOT AERATE AND SUPPLY YOUR
OWN MINERAL WATERS???

NEW STYLE.

OLD STYLE.



ADVANTAGES :

PURITY,
DURABILITY,
ECONOMICAL,
SIMPLE, HYGIENIC,
CHEAPEST AND BEST,
CLEANED AT EACH REFILL,
ABSOLUTE STERILITY CAN BE GUARANTEED,
SMALL OUTLAY,
LARGE PROFITS.

The Hygienic Syphon is filled by a simple, inexpensive plant, which does not take up more than about two feet of space, or by the ordinary apparatus slightly modified.

DISADVANTAGES :

"WELL,"

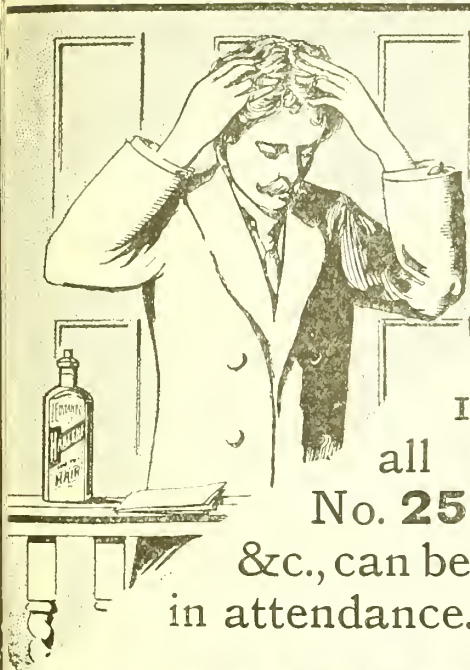
YOU KNOW WHAT THEY ARE!

This type can only be filled by an expensive plant, which requires large capital outlay, and the water is forced through the spout, sweeping all dirt into the interior—the old dregs mixing with the fresh liquid.

L.C.C. REPORT says:—"Syphons are not, it appears, cleansed at each refilling, but when it is necessary to take them to pieces for repair, then the opportunity is taken of cleansing them."

WE ARE EXHIBITING AT THE CHEMISTS' EXHIBITION, STAND 30, HORTICULTURAL HALL, MAY 9th to 13th.

Offices : 50 WIGMORE STREET, W. TELEPHONE : 5120 (3 lines).



IMPORTANT.

We are exhibiting at the Chemists' Exhibition at the Horticultural Hall, from May 9th to 13th, and shall be pleased to see all Trade friends at our Stand No. 25. Full particulars of our goods, &c., can be obtained from the representative in attendance.

"HARLENE HAIR DRILL"

"HARLENE." FOR THE HAIR.

No.	1 size	Retail	Wholesale
		1/-	11/- doz.
" 2 "		2 6	27 3 "
" 3 "		4 6	47/- "

"UZON." BRILLIANTINE.

Retail	Wholesale
1/-	11/- doz.
2 6	27 3 "
—	—

"CREMEX." SHAMPOO POWDERS.

Retail	Wholesale
1/-	11/- doz.
...	...
...	...
...	...

Per box of 6 Powders.

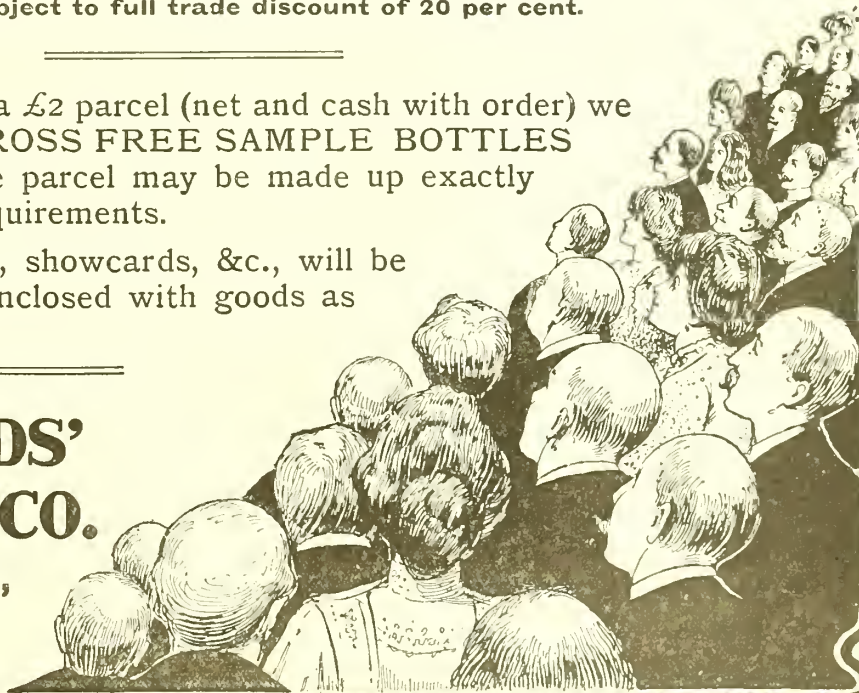
Subject to full trade discount of 20 per cent.

To all purchasers of a £2 parcel (net and cash with order) we will include ONE GROSS FREE SAMPLE BOTTLES for distribution. The parcel may be made up exactly to the customer's requirements.

Supplies of dummies, showcards, &c., will be sent on request or enclosed with goods as required.

EDWARDS' HARLENE CO.

95 & 96 High Holborn,
LONDON, W.C.



QUALITY IS THE CHIEF BASIS OF SUSTAINED TRADE

We are exhibiting
at the
Chemists' Exhibition
May 9th to 13th

YOU WILL FIND THAT YOU
CAN BUILD UP ENDURING
BUSINESS IN THESE LINES

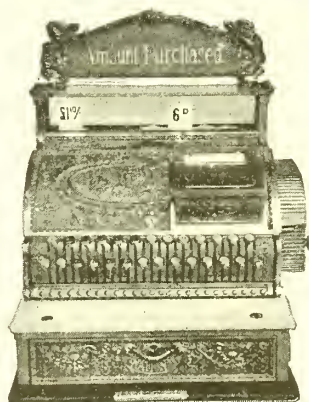
Some
Pharmaceutical
Specialities . .

of unique quality, which you can
sell with your own name and address,
giving you handsome profits.

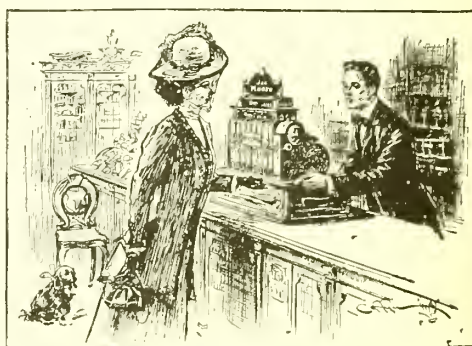
A. WANDER, LTD., 1 & 3, Leonard St., City Road, E.C.

National Cash Registers to suit all Chemists and Druggists, both large and small, at Popular Prices.

They Correct all Mistakes that may occur between Customer and Assistant.



← Autographic
Attachments.



Special Exhibit of Cash Registers fitted with the Autographic Attachment. **THE** Register for all Chemists and Druggists. Call at our Stand 51 and 52 Chemists' and Druggist's Exhibition.

Full Particulars and Illustrated Price List post free,

The National Cash Register Co., Limited.

Chief Offices and Showrooms: 225 Tottenham Court Road, London.

**ARTHUR H.
COX & CO^o L^d
BRIGHTON.**

**CHEMISTS'
EXHIBITION**

MAY 9th—13th.

All that is new and up-to-date
in PILLS, TABLETS, SOURED
MILK PREPARATIONS, &c.,
will be on view at

Stands Nos. 40, 41, 42, 43 & 50.

You are earnestly invited to
attend. We shall be happy to
see our old or prospective
customers at the Horticultural
Hall any time during the
Chemists' Exhibition week.

PROFITABLE SIDE LINES FOR CHEMISTS

PHOTOGRAPHIC ENLARGEMENTS & COLOURED MINIATURES
FRAMED SPECIMENS FREE ON APPLICATION.

A
VIEW
OF
OUR
EXHIBIT
NEXT
WEEK.



We shall
be
pleased to
see you
and
give you
further
particulars.

Chemists' Exhibition, 1910.

OUR STAND IS NEAR ENTRANCE, TURNING TO THE RIGHT.

EXPRESS DEVELOPING CO. 86 HIGH STREET,
WHITECHAPEL, E.C.

Chemists' Exhibition—1910.

The New
"Prana"

Sparklet "C" Syphon and "C" Bulbs

request the honour
of your inspection at

Stand Nos. 74-5 & 86-7

(Turn to the right on entering the Hall).



Any of the undersigned will esteem it a privilege to afford you an opportunity of convincing yourself what splendid aerated water can be prepared in this new large Syphon and how perfectly it blends with a variety of other popular beverages.

L. Stuart MacPhail.

G. L. Davies.

C. Newman Turner.

for and on behalf of—

Aerators, Ltd.

Upper Edmonton,
London, N.

Extracts from recent letters from Chemists

received by

OWBRIDGE'S Ltd.

Sold out.

Sales better.

It sells well.

Sells freely here.

I never substitute.

Still going strong.

A steady sale here.

Considerable increase in sale.

The sale still keeps up with us.

Pleasure to recommend your "Lung Tonic."

We have a considerable sale of your goods.

Your preparation has a steady sale here.

I can report a very good sale this winter.

Our sale of your "Lung Tonic" here is good.

Considerable increase in sales of "Lung Tonic."

It sells well, and we have pleasure in selling it.

Your "Lung Tonic" has gone fairly well this season.

Our sale for your "Lung Tonic" is larger than ever.

Pleased to say your preparation goes very steadily.

Glad to say the sales for "Lung Tonic" are increasing.

Am pleased to say your speciality is having a good sale.

I am glad to record an increase of sales this season.

I may say I have a very steady sale for your "Lung Tonic."

Am glad to say I have done fairly well with it this winter.

The sale of your preparation has increased lately to our mutual advantage.

You will be pleased to know sales have been greater than ever this winter.

I find I sell more "Owbridge's Lung Tonic" than any other Patent Cough Mixture on the market.

"Owbridge's Lung Tonic" still holds first place in my demands for such preparations.

I may state that your "Lung Tonic" is the most satisfactory patent (both from my own and customers' point of view) that I handle.

From letter received early in season:—

"I fully appreciate your remarks with regard to the sale of a cheap 'Lung Tonic'—I was persuaded to take up the article you spoke of, and have ever since regretted doing so. Six months ago I withdrew it from the market, and turned out what bottles I had in stock for 1d. worths. My reason for doing so, I need scarcely tell you, was that it was so evidently a case of 'poaching.' Though we cannot all be original, yet we should keep somewhere within the bounds of limitation and reason. I am glad you mentioned this matter, so that I might express my regret and inform you that I have ceased to be a poacher on your reputation."

We are
exhibiting
at the

Horticultural Hall,
May 9-13, 1910.

Stand No. 62.

F. J. STOKES MACHINE CO.

Sole Agents: THOMPSON & CAPPER.

Chemists' Exhibition,

Horticultural Hall. ——— STANDS 19 & 20.

PHARMACEUTICAL MACHINERY in MOTION

At Stands 19 & 20, in addition to various other machines, the well-known CLARKE ROTARY TABLET MACHINE will be in operation, producing tablets at a great rate. This is an unique opportunity for everyone interested in Compressed Tablets. The "EUREKA" HAND TABLET MACHINE, price £6 net, will also
∴ ∴ be shown in operation. ∴ ∴

 **DON'T FAIL TO SEE THIS EXHIBIT.**

Special Offer during Exhibition only.

During the Exhibition a large quantity of finest quality CACHOUS (Violet, Heliotrope, and Rose) will be made and will be sold as follows: Tins containing 10 lbs. Cachous (assorted if desired), 10/- carriage paid.

SOLE AGENTS:

THOMPSON & CAPPER

51 PICCADILLY, MANCHESTER.

[ESTABLISHED 1843.]

Telephone: 9015 Central, Manchester.

Telegrams: "SANITAS MANCHESTER." Code: 5th Edition, A.B.C.

!! Look out for !!
"JOHN BULL" MALT EXTRACT
!! "PACO" DIASTASE BRAND !!
AT THE CHEMISTS' EXHIBITION.

The Best and
 most Diastasic
 Malt Extract
 in the World.



Popular Prices.
 (P.A.T.A.)
33 per cent. Profit.

Free Sample and
 Particulars

from the
 Wholesale Houses

and

PAINE & CO., Limited, ST. NEOTS.



ON THE P.A.T.A. LIST.

WE ARE EXHIBITING AT THE
Chemists' Exhibition,
 Royal Horticultural Hall, **MAY 9-13, 1910.**
 LONDON.

ZOTOS

LTD

Sole Proprietors:

32-34 Theobald's Road, LONDON, W.C.

Telephone: 1348 City.

Telegrams: 'Zotosette.'

: : NO MORE : :
 PETROL DANGER.

SECURITINE

DRY CLEANING FLUID.
NON-INFLAMMABLE.
 SWEETLY SCENTED.

Knocks out Benzine, Turps, &c.
 so dangerous to handle and to keep in stock.

INVALUABLE for Removing Grease Spots and
 Stains — Renovating Furniture Coverings and
 Embroideries — Cleaning Gloves, Silks, and
 Articles of Wearing Apparel.

A PROFITABLE LINE FOR CHEMISTS.
 Prices Protected by P.A.T.A.
 Sold in 3d., 6d. and 1- Bottles.

The Leading Chemists and Stores are already selling it.

THE FAVOUR OF YOUR CALL
 at our **STAND 99,**
CHEMISTS' EXHIBITION,
 will be much appreciated.

The 'SECURITAS' NON-INFLAMMABLE PRODUCTS CO.
 23a Australian Avenue, Ltd.
 Barbican, LONDON, E.C.

Telephone: 7691 London Wall. Telegrams: 'Garage London.'

CHEMISTS' EXHIBITION,

MAY 9-13, 1910.

We are Exhibiting at . . .

STANDS Nos. 1 & 2

(Same position occupied last year).

and shall be pleased to receive a call from you.

EUCRYL TOOTH POWDER is still offered on advantageous terms which guarantee a **Profit of 100 per cent.**

Admission Tickets sent free of charge on receipt of card.

EUCRYL, LIMITED, HULL.

We are exhibiting at the forthcoming **CHEMISTS' EXHIBITION** and will occupy the same position as last year, when we hope to meet our old Friends and make many new ones.



YOU

may have a suggestion you would like to discuss with us as regards a

SPECIAL WINDOW DISPLAY.

If so make a note of it.

WE

are always on the Look-out for Business.

CHEMISTS' EXHIBITION, 1909.
Sole Manufacturers and Proprietors,
O'NEIL ZETTS & CO., 182 Stroud Green Road, N.
Telephone 2546 Hornsey



VINCENT WOOD

(Gold Medallist)

Is exhibiting his LATEST
:: SPECIALITIES at the ::

CHEMISTS' EXHIBITION

STAND 49,

May 9th to 13th.

4 Albion Pl., Blackfriars Bridge,
LONDON, S.E.

SAL HEPATICA.

PUT UP FOR EXPORT:

Small size, 3 oz. bottle, in case.
Medium „ 7 „ „ „
Large „ 16 „ „ „

OBTAINABLE IN LONDON FROM

Thos. Christy & Co., 4-12 Old Swan Lane,
Upper Thames Street, E.C.

The American Drug Stores, 24 Orange Street,
Haymarket, London, W.C.

Burgoyne, Burbidges & Co., 16 Coleman Street,
E.C.

F. Newbery & Sons, Ltd., 27 Charterhouse
Square.

Roberts & Co. 76 New Bond Street, W.



— OUR EXHIBITION —

. . . AND . . .

SALE of TOILET ARTICLES,

SPONGES,
Hair, Tooth, Nail &
Shaving Brushes,
Combs, Puff Boxes,
Manicures,
Flesh Gloves, &c.

Toilet Creams,
Tooth Powders,
Eau de Cologne,
Face Lotions,
Toilet Powders,
Perfumes, &c.

And Second-hand Showcases,

WILL TAKE PLACE

MAY 9th to 13th, at 258 EUSTON ROAD, N.W.

*We are arranging to send our Customers **FREE** in
MOTOR CABS from our premises each day to the*

CHEMISTS' EXHIBITION, HORTICULTURAL HALL,

or from there to our Sale.

EXTRA DISCOUNT during week off orders
for **SUNDRIES** and **PACKED GOODS** (Parts II. and III. in
our List) **given at our or Chemists' Exhibitions.**

Sangers

Warehouses and Showrooms :

258 EUSTON ROAD, LONDON, N.W.

FINEST BLACKS AND COLOURS

(ALL SHADES).

for

CONFECTIONERY
(Harmless)
MINERAL WATERS
(Acid-proof)
GELATINE
LEATHER
SOAP
VARNISH
BOOT POLISH
WRITING INK
ENDORISING INK
RULING INK
STENCIL INK
PRINTING INK
WOOD STAINS
SIZE
COTTON
WOOL
SILK
COIR YARN
JUTE
&c. &c.

Soluble in

WATER SPIRIT
OIL TURPS
WAX BENZOLINE
GLYCERINE NAPHTHA
PETROLEUM CREOSOTE
and
IN FACT ANYTHING.

HOUSEHOLD DYES.
MARKING INK.

ETERNITE

A beautiful Stain and absolute
preventive of decay in wood.

Send for booklets, price lists, patterns and samples to—

WILLIAMS BROS. & CO.
Hounslow, Middlesex.

The number of dentifrices is myriad, their names are legion,

But—

in principle and in efficiency there is but one,

CALOX

THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, London, Eng.

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX, acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, London.

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A. plan.

McKESSON & ROBBINS, New York, U.S.A., Manufacturers.

BRITISH DEPOT— G. B. KENT & SONS, Ltd., 75 Farringdon Road, London, E.C.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO., LD.

The Largest Makers in the Kingdom.
BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

YOU MAKE A PROFIT OF 1/- to 1/6 on every sale of
Lavona de Composée or Flowers of Oxxoin

Write for particulars of our unique local advertising scheme. It will bring you new business.

Our Specialities are:—

Lavona de Composée (Smith's)
Flowers of Oxxoin (Neal's)
French Fon Fleur Perfume.
Harriett Meta's Gold Medal Hair Tonic.
Harriett Meta's Milk of Roses.
Neal's Olivine (A New Liquid Soap).

Crème To-Kalon.
Crème Supérieure.
To-Kalon Talcum Powder.
To-Kalon Denta Crème.
To-Kalon Complexion Powder.
Sozo (The Great Deodorant).

Price Lists and Showcards gladly sent on application.

TO-KALON MANUFACTURING CO., Ltd., 143-145 Great Portland St., London, W.

N.B.—WE ARE ON THE P.A.T.A. LIST.

£300

£300 prize money is offered in the new "ERASMIC SOAP" Competition ("Spot the Beauty") now being so extensively advertised throughout the country.

£100

£100 prize money is now being offered to you in the new "ERASMIC SOAP" Window Display Competition now running, as well as a liberal

SPECIAL BONUS

offer which is made to Chemists stocking "ERASMIC." That is what we are doing to stimulate enterprise and to increase sales; all you have to do in order to reap your share of benefit is to stock and display

Erasmic Soap

The most popular of all Toilet Soaps.

Full supply of Prize Competition Coupons and Window Bills sent upon application; also full particulars of the Window Display Competition.

THE ERASMIC CO., LTD., WARRINGTON.

PURE AMERICAN PEPPERMINT OIL NATURAL, Selected.
PURE AMERICAN PEPPERMINT OIL REDISTILLED, White.
PURE MARACAIBO BALSAM COPAIBA, B.P., Cleared.
PURE CEDARWOOD OIL, American.

Prices and Samples of the "D & O" Essential Oils and Balsams may be obtained on application to the Branch Office, 20 MARK LANE, E.C., of the

DODGE & OLCOTT Co., New York

Telephone: 2468 CITY.

"B&K"

BRAND

GUARANTEED PURE. DISTILLED BY
 BONTCHEFF & KIDOFF OF KAZANLIK

SOLE AGENTS IN THE UNITED KINGDOM

Fredk. Boehm Ltd

16 Jewry Street, London, E.C.

Wholesale Quantities only.

OTTO
 OF
ROSE

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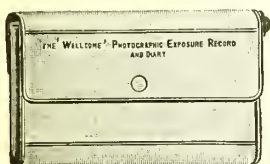
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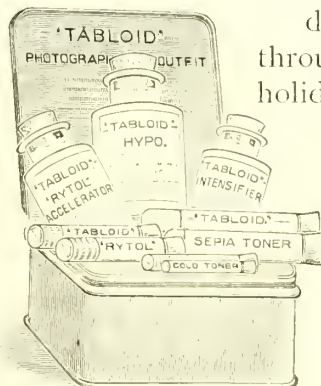
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A NEW WORLD OPPORTUNITY.

Firms connected with chemical industry and with the drug-trade are reminded that

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An exceptional opportunity will be afforded them of placing their specialities before a valuable section of buyers, manufacturing, wholesale and retail, in some of the youngest and most vigorous countries of the world. An extra circulation, quite in addition to our ordinary weekly distribution, is being given to THE NEW WORLD ISSUE among selected lists of firms equally in business in Mexico, South America, the West Indies, Canada, and the United States. All those who have specialties to advertise and who desire to exploit new territory should write for particulars regarding advertising space to

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Summary of this Issue.

The more notable items only are dealt with.

Articles and Communications.

Buchu-leaves have reached famine-prices for the reasons given in an article on p. 53.

Caustic soda does not kill weeds, as was reported some time ago, says Mr. H. B. Sharman (p. 71).

Stricter consideration of what is wholesale dealing in poisons is suggested in the editorial note on p. 52.

Correspondents continue to protest that it is not profitable for retail chemists to make aerated waters in a small way (p. 70).

"Xrayser II." questions the wisdom of degrading P.A.T.A. profits; he also deals with dispensing and substitution, the B.P. as a standard, and the early history of asafetida (p. 51).

Messrs. W. J. Bush & Co., Ltd., communicate observations on the B.P. standards proposed by Messrs. Hill and Umney for eucalyptus, fennel, peppermint, pimento, and wintergreen oils (p. 69).

The wholesale trade is saddled by the Finance Act with a heavy charge for retailing such spirituous preparations as Eau des Carmes. We suggest that something should be done in view of the next Budget (p. 53).

Particulars of the purchase by Boots Cash Chemists, Ltd., of the Innan shops in the North of England and Scotland are given on pp. 54-5. It is rumoured that they have also bought a Glasgow company's shops.

The Week's News.

Mr. Walter Ryley Pratt, of Louth, is this year's Pereira medallist (p. 57).

Portsmouth chemists are inviting the British Pharmaceutical Conference to visit that town in 1911 (p. 62).

A Chatham chemist gave a would-be suicide coloured water instead of laudanum, and thus saved his life (p. 38).

The pass-lists of the Institute of Chemistry and Apothecaries' Assistants' examinations are printed on p. 36.

The patent for the "Thermos" flask is held to have been anticipated by Sir James Dewar in his vacuum-walled vessel (p. 44).

At the third hearing of the olive oil case Mr. Fraenkel, who sold the oil to Bleasdale, Ltd., gave evidence. It is reported on p. 69.

The South African Conference of pharmacy boards looks like falling through, as Cape Colony and Natal do not come up to the scratch (p. 40).

An Otley chemist has been prosecuted by the police for selling cocaine hydrochloride by wholesale to a veterinary student. He was ordered to pay costs (p. 42).

A Norwich trader has been committed to the Assizes on a charge of fraudulently supplying as Zam-buk a preparation made according to the "B.M.A. formula" (p. 37).

The proprietor of Messrs. Townson & Mercer's business has been fined under Section 17 of the Pharmacy Act, 1868, for selling potassium cyanide to a naval cadet unknown to the seller (p. 42).

The Pharmaceutical Council-meeting on Wednesday was the last ordinary meeting of the present Council, and to our report of it the annual report of the Council and an election cartoon are appended (pp. 56-59).

Mr. R. Winfrey, M.P., attended a meeting of the N.U.A.P. and supported the candidature of Messrs. Dowty and Waldron for the Pharmaceutical Council in a strong speech, supplementing it with a cheque for two guineas (p. 63).

At this week's meeting of the London Section of the Society of Chemical Industry the principles of tanning were discussed by Dr. Gordon Parker. We report the proceedings and give particulars of the forthcoming annual meeting (p. 60).

Trade and Market Matters.

The principal features of the markets include a sharp decline in chloral hydrate; castor oil and copper sulphate are also lower. Cream of tartar is strong and dearer. Quinine (seconds), carbolic acid, and ergot are firmer. Quicksilver (seconds) is easier. Large supplies of drugs were offered at auction (p. 65).

English and Welsh News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Brevities.

If a sufficient number of students are secured, a class for cinematograph operators will be started at Northampton Institute, Clerkenwell, E.C., during this month.

Mr. C. J. Wain, Ph.C., Red Lion Square, Newcastle-under-Lyme, was highly commended for his display of goods at the recent local window-dressing competition.

The fire reported last week as having occurred in Messrs. Howards & Sons' factory, Stratford, London, E., was quite a small affair, and we have ascertained that the damage done was about 50%.

At the Liverpool Assizes on May 3, Bernard Riley (45), boot repairer, was sentenced to ten years' penal servitude for throwing sulphuric acid, which badly injured Mrs. Varley and her baby and a girl named Jessie Sloane.

At the reception by the Mayor and Mayoress of Westminster at Caxton Hall on April 28, Alderman R. Woolley Walden, J.P. (ex-Mayor), Alderman Lieut.-Colonel Clifford Probyn, D.L., Mr. W. G. Challice, and Mr. J. E. Greaves, chemists and druggists, were among the guests.

At the Court of Criminal Appeal on May 2, the Lord Chief Justice and Justices Bray and Pickford dismissed the appeal of John White against the sentence of penal servitude for life passed on him at the Warwickshire Assizes for the attempted murder of his mother (*C. & D.*, March 19, p. 426).

The name Dossibai Rustomji Cowasji Patell occurred in the Royal College of Physicians' pass-list the other day, and a footnote stated that the name was that of a woman. In this manner the world was told that Miss Patell is the first female L.R.C.P. She studied at Grant Medical College, Bombay, and at the London Royal Free Hospital. She is a Parsee, and is proceeding to the London University Medical degree.

Secret Remedies.

The current issue of the "Journal of the Royal Society of Medicine" contains a full report of the discussion which took place at the meeting of the Therapeutical and Pharmacological Section on March 1 on "Proprietary, Patent, and Secret Remedies." This discussion was initiated by Professor Dixon. Mr. T. P. Beddoes, F.R.C.S., opened the debate on March 1, his speech concluding with the following remarks:

"The Pharmaceutical Codex has confused prescribers, was pernicious to the public, and it violated the first principle of literary copyright. The General Medical Council have earned the gratitude of both students and practitioners of medicine, as well as of pharmacy, for what they have done. For there is every reason to expect that the publishers of the Codex in future will avoid errors due more to want of thought than to want of knowledge."

Mr. F. W. Gamble, Dr. J. Gray Duncanson, Mr. E. F. Harrison, Prof. Cushny, and Prof. Dixon also spoke, and a letter from Dr. William Martin, of Newcastle, was read by Dr. Gray Duncanson. All these are fully given in the "Journal," and may be referred to by those who require them.

Royal Institution.

The Duke of Northumberland was in the chair at the annual meeting, held on May 2. The reports of the Committee of Visitors and the Davy-Faraday Research Laboratory were received and adopted. The library has received 986 additional volumes during the year. The officers for the ensuing year were elected, viz.: President, the Duke of Northumberland; Treasurer, Sir James Crichton-Browne; Secretary, Sir William Crookes; and among the Managers, Sir Thomas Barlow, Bart., M.D., Professor H. E. Armstrong, Sir Francis Laking, Bart., M.D., Mr. George Matthey, and Dr. Rudolph Messel. The Visitors include Mr. J. Mackenzie Davidson, Dr. A. Croft Hill, Dr. J. Dundas Grant, Mr. C. E. Groves, Mr. Robert Mond, Major Percy A. MacMahon, and Dr. Samuel Weet.

Institute of Chemistry.

Eleven candidates presented themselves for the Intermediate examination in April, of whom the following eight passed: Messrs. A. Cunningham, A. A. Eldridge, J. W. Flint, B.A., A. Gemmell, B.Sc., H. Lowe, B.Sc., J. Porter, H. Shankster, and T. A. Smith. For the Final Associate ship examination Messrs. J. Shelton and J. Weintraube, B.Sc., passed in mineral chemistry, and Mr. F. G. Martin in physical chemistry. Two candidates presented themselves in organic chemistry and one (Mr. W. T. Munro) passed. In the chemistry of food and drugs, etc., out of twelve candidates eight passed—viz., Messrs. B. M. Brown, B.Sc., C. L. L. Claremont, B.Sc., R. L. Collett, B.A., S. Elliott, L. Goodban, T. S. Haines, G. F. Morrell, and S. Smith.

Society of Apothecaries of London.

At the Assistants' examination, held in April, the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:

K. V. Askwith.	G. L. Copestake.	R. A. Newman.
E. M. Baker.	M. Crookes.	A. A. Paton.
L. M. Bayne.	M. L. Eason.	F. M. Pratt.
T. M. Black.	M. D. Glossop.	V. Rogers.
E. F. T. Blackmore	M. Hartley.	T. D. Simmons.
P. G. Brain.	G. Hateley.	A. M. Smith.
J. C. Brame.	A. H. Heaps.	F. E. Stevenson.
M. W. Browne.	F. V. Holliday.	M. Stokes.
G. B. Cain.	E. M. Lee.	E. Swindale.
E. Chate.	K. W. Lyth.	L. M. Thomas.
C. Collins.	F. M. Morley.	

Contracts.

Hereford Town Council.—Chave & Jackson, Ltd., Hereford, for chemicals.

Wigan Town Council.—John Riley & Sons, for the supply of sulphuric acid at 42s. 6d. per ton.

Salford Town Council.—R. K. Lakin & Co., Pendleto for the supply of carbolic disinfecting powder.

Analysts' Affairs.

All the twenty-one drug-samples examined by the Southwark analyst during the past quarter were found to be to the B.P. standard.

The following samples were taken in Bethnal Green last quarter, and found to be genuine: Castor oil (2), in pills (1), and eucalyptus oil (1).

The Lambeth analyst (Dr. John Muter) reports that 14 samples each of cream of tartar, tartaric acid, and sugar milk were examined during the past quarter, and were found to be genuine.

The Lancaster County Council have authorised Mr. Walter Collingwood Williams, B.Sc., F.I.C., to conduct analyses pending the appointment of a successor to the late Dr. J. Campbell Brown.

The East Riding (Yorks) analyst states that the following samples were analysed last year: Camphorated oil, 13; oil, 4; milk of sulphur, 3; paregoric, 1. The paregoric sample was 11.3 per cent. deficient in alcohol, while the samples of camphorated oil were 1.7 to 18.6 per cent. deficient in camphor. No fines were inflicted.

In Hertfordshire County, Mr. A. E. Ekins, Ph.D., F.I.C., analyst, in his last quarterly report, states that among the samples examined were three of camphorated oil, two each of compound liquorice powder and cream of tartar, and one of Gregory's powder. All proved to be genuine. Mr. Ekins states that during his eight years as county analyst he has never before been able to submit so satisfactory a report.

The medical officer for the Port of London (Dr. Herb Williams) in his annual report states that a sample vanillin crystals and a sample of quinine were submitted to Dr. F. L. Teed for analysis, as these products had been stored near some cyanide of potassium in the hold of a vessel which had been flooded to subdue an outbreak of fire. The analyst reported that no potassium cyanide could be detected in either of the samples submitted, and also that unless the quinine were absolutely reeked with cyanide there would be practically no risk in consuming it even without purification. Both articles could be readily purified so as to be fit for use as flavoring matter or as a drug respectively. The quinine and vanillin accordingly were allowed to be sold.

Death-certificates.

Sir William Collins, M.P., has informed our Parliamentary representative that, in view of the inability of the Government to deal with the matter of death-certificates during the present Session, he will introduce a Bill—which he has already drafted—to amend the Death Certification Act of 1893, and to give effect to some of the most important of the recommendations of Sir Mackenzie Chalmers' recent Committee on the question of coroners' law and the practice obtaining in coroners' courts. Among the points to be dealt with in the Bill will be the question of requiring a certificate as to the fact as well as the cause of death, and the question of identification and the necessity for *post-mortem* examination. He does not propose, however, to deal with the question of deaths under anesthetics, which was included in a separate report of the Committee.

Birmingham Notes.

Mr. F. Barlow, Ph.C., has been appointed Chairman of the King's Norton Board of Guardians. Last year he was the Vice-Chairman.

Lacquers are being made in Birmingham containing petroleum spirit, and have to be kept with special precautions. Several traders and manufacturers have been fined this week for non-compliance.

A large and interesting gathering of the friends and workers in St. George's Ward met at the Star and Garter Hotel to congratulate Councillor Jeffrey Poole on his return to the City Council at the recent by-election.

Sir W. A. Tilden, F.R.S., Emeritus Professor in the Imperial College of Science and Technology, has signified his acceptance of the presidency of the Vesey Club for the coming year. Its meetings are held at Sutton Coldfield, a Royal demesne obtained for the inhabitants by Bishop Vesey.

A Union Reminiscence.

At the recent dinner of the Ipswich Chemists' Association (*C. & D.*, April 23, p. 601), Alderman S. R. Anness, the President, recalled that when they had not an Association in Ipswich, the chemists were always called together when anything happened. They had an agreement among themselves, and they found it of the very greatest advantage. He remembered when the methylated-spirit licence was introduced several of them were caught. (Laughter.) Seven of them being summoned, they were in a dilemma; after consultation he went to London and saw the Secretary of the Inland Revenue, and he laughed when he (Mr. Anness) told his story. He frankly admitted that none of his colleagues desired to go into the police court, and he asked what could be done to avoid such a thing happening. The result was that when the cases were called on in the police court the Inland Revenue officer withdrew them. In his comments upon this story Mr. Anness said if he had gone to London as an individual chemist, and not as their representative, he would never have secured the object they wanted. In all societies the units counted for nothing, but in combination they possessed considerable influence.

Diseases of Animals Acts.

The Board of Agriculture and Fisheries has compiled and published a useful handbook for Great Britain of the Diseases of Animals Acts, 1894 to 1909, and the Markets and Fairs (Weighing of Cattle) Acts, 1887 and 1891, with the Orders made thereunder by the Board. It is a useful book for any agricultural chemist's library, since it gives first-hand information on subjects which must worry customers many times, and which the chemist can interpret for them to their advantage. There is not much information of a chemical or pharmaceutical nature in the book, but the infectious diseases dealt with are anthrax, cattle plague, foot-and-mouth disease, glanders or farcy, epizootic lymphangitis, pleuro-pneumonia, rabies, sheep-pox, sheep-scab, and swine fever. The book can be obtained through any bookseller for half-a-crown.

Liverpool Notes.

Rumours are prevalent regarding a change in the business of Messrs. McGuffie, Castle Street, but nothing of a definite nature has occurred.

Complaints of an abnormally slack time have been prevalent lately, but the month of May appears to have brought some improvement in the state of business.

Dr. Charles Symes has again been in correspondence with the Chancellor of the Exchequer on the subject of a spirit-duty rebate for chemists in the forthcoming Budget. Dr. Symes has received no definite statement, but he hopes for an early alleviation of this grievance of the retail trade.

The Liverpool Chemists' Association has just issued a pamphlet containing its annual report, balance-sheet, new rules, and list of members. An interesting item on the balance-sheet is profit on sale of price-lists, 6*l.* 14*s.* 10½*d.* The membership roll gives a list of 151 names, including twelve "honorary" and three "corresponding" members; the latter are in Bucharest, Paris, and Hang-Chow. The Association has also issued a circular in support of Dr. Symes's candidature for the Pharmaceutical Council.

"Zam-buk" according to "Secret Remedies."

At the Norwich Police Court, before Messrs. W. H. Dakin (Chairman), J. Moore, W. R. C. Howlett, and S. Matthews, on April 26, George Calver, Grapes Hill, was charged with selling goods to which a false trade description was applied on February 19. Mr. F. A. Bainbridge, solicitor, stated on behalf of the proprietors of "Zam-buk" that the matter had been before the Bench about six weeks, but the warrant was not issued till about a week ago. He asked for a remand so as to bring witnesses.—Detective-sergeant Goldsmith gave evidence of arrest.—Defendant said he wanted the case to go on, but he was remanded on bail till Tuesday of this week, when Mr. Bainbridge explained that the defendant had been selling an ointment in similar tins to "Zam-buk" in 1*l.*, 2*l.*, and 3*d.* tins, and it would be proved that he represented that they contained genuine "Zam-buk." Evidence was then called as follows:

Mr. Charles Nixon, of Leeds, a traveller in the employ of C. E. Fulford, Ltd., proprietors of Zam-buk, said that he had received from Norwich tins bearing a label "The ointment, Zambuk formula B.M.A." The ointment bore a strong resemblance to the genuine Zam-buk, but he could not say if it was the same.—In reply to questions put by Mr. Joseph (for the defendant), witness said he did not know the formula of Zam-buk, and he could not say whether the formula in the British Medical Association's book, "Secret Remedies," was the same as that made up by his employers. Mr. Joseph put some questions as to the representations made by the prosecuting company, and said: "This firm comes here and prosecutes us for misleading the public. They may mislead the public, but if anybody else comes along it's 'Hands off, show your copyright.'"

Mr. Bainbridge: We have the right.

Several witnesses were called to prove having purchased tins of the ointment from the defendant. Mrs. Ellis said she asked the defendant if it was genuine, and he replied that he dare not sell any other. Mrs. Bootwright said the defendant told her he was travelling for the Zam-buk Co. Both these witnesses sent their boxes up to the company.

Mr. S. W. Fitzgerald, of Leeds, said he superintended the manufacture of Zam-buk. The ointment sold by the defendant was an imitation of Zam-buk, but there were several characteristics missing.

The Chairman (Mr. F. W. Harmer): Which?

Mr. Bainbridge said they could not go into the formula.

In cross-examination, Mr. Fitzgerald said he was a scientific chemist. He was the only chemist in the employ of the firm, who had over fifty employees. He refused to say in what respect the formula in the B.M.A. book was incorrect.

Mr. Joseph: If the formula in "Secret Remedies" is correct, do you agree that the estimated cost of the ingredients of 1 oz. is one farthing?—Witness: I have not calculated it.

You know, if the formula in this book is true, it is a damaging statement?—I haven't gone into it.

Have you ever heard of proceedings for libel against the British Medical Association?—No.

Do you know the actual cost of the ingredients of the genuine Zam-buk?—I have no recollection.

You could but you won't—is that what it means?—Yes.

The Clerk: I don't think it is material.

Mr. Joseph: The public would not pay 1s. 1½*d.* for something which cost only a farthing.

After further evidence, Mr. Joseph urged that the defendant could not be found guilty. The label on the tin was an absolute answer to the charge. Nobody had been called to say that the formula given by the British Medical Association was not true. He regarded it as one of the most impudent prosecutions that had ever been undertaken.—The defendant was committed for trial at the Norwich Quarter Sessions, bail being accepted.

Police-court Charges.

At the Clerkenwell Police Court on April 28, Charles Phillips (51), perfumer, was charged, on remand, with forging and uttering a bill of exchange for 65*l.* 13*s.* 6*d.* (*C. & D.*, April 30, p. 654). The prisoner, who said he had no intention to defraud, was committed for trial.

At Southampton on April 30, Sydney Thurston, who keeps a drug-store at Bedford Place there, was charged with stealing a tin of tooth-soap and a tin of tooth-powder from the shop of Messrs. W. Bates & Co., Ltd., chemists, Above Bar, on the previous Thursday. It appeared that the defendant went into the shop and made a few purchases, amounting to 1*s.* 2*d.*, and was served by an assistant. Mr. Wilfrid W. Atkinson, manager, had his suspicions about the man, and watched him from behind a curtain, and saw him take a box of tooth-soap from the counter and put it into his pocket. The police were called, and defendant was arrested. At the police-station the box of tooth-powder was found in his possession. Defendant stated in evidence that he had not the slightest intention of stealing. Mr. Emanuel, solicitor, pointed out on behalf of the defendant that he had been twenty years in the town, and had carried on business for five years. The defendant was bound over under the Probation of Offenders Act for six months in the sum of 5*l.*, and was ordered to pay the costs, 1*l.*

At Chatham Police Court on May 2, Thomas William Robinson (20), attached to H.M.S. *Berwick*, was charged with attempting to commit suicide. Mr. A. E. Farrow, chemist and druggist, 45 High Street, Old Brompton, Chatham, deposed that the prisoner went to his pharmacy on April 26 and asked for 2 oz. of laudanum. Witness inquired for what purpose it was wanted, and prisoner said it was not for himself, but for a messmate who wanted to take a few drops at bedtime. Another sailor then came in and suggested that witness should not supply prisoner with anything, as he was intoxicated. Prisoner replied that the other man was the worse for drink, and asked witness to take no notice of him. Witness then supplied Farrow with some flavoured and coloured water in a bottle labelled "Laudanum. Poison." A police-inspector deposed that prisoner stated in reply to his question whether he had taken laudanum, "Yes, I have taken a shillingsworth, which I bought at a chemist's near the barracks at Brompton. I am tired of life, and I want to die." The inspector said the prisoner had the chemist to thank for saving his life. The Magistrate remarked, "That seems to be so," and in discharging Farrow said, "Go back to your ship, behave like a man, and don't be a baby."

Irish News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Brevities.

Mr. W. Halliday, Limerick, has been appointed High Sheriff for Limerick. Mr. Halliday is a member of the firm of Messrs. J. & G. Boyd, wholesale druggists, of that city.

In the recent professional examination in midwifery and gynaecology, held in the Royal College of Surgeons, Dublin, Mr. T. Mather Thomson, Ph.C., took first place, and Mr. F. W. Warren, Ph.C., took second place.

The Royal Dublin Society have passed a resolution expressing the need for a central laboratory for veterinary research, and asking the Department of Agriculture to approach the Government for the necessary grant.

During an inquest at Banbridge on the body of a young woman who died from erysipelas, it was stated by her father that a charm was employed. This consisted of "a bit of butter which had been taken to a man at Tandragee."

At the annual meeting of the Belfast and North of Ireland Grocers' Association last week, Mr. Wm. Haslett, President of the Chemists' and Druggists' Society of Ireland, was re-elected Hon. Secretary. Mr. Wm. Lyttle, druggist, and Mr. Wm. C. Dobbin, Ph.C., were also elected to seats on the Board of Management.

Mr. J. W. Harvey, Ph.C., Cork, was among the applicants for the post of examiner in practical pharmacy to the Pharmaceutical Society of Ireland. Mr. Harvey was apprenticed to the late Mr. R. C. Webb, Wexford, and then served as an assistant with the late Mr. J. J. Gosker, Belfast. He qualified in 1892, and then became an assistant to Mr. T. R. Lester, Cork, and afterwards managed the business of Dr. Hadden, Skibbereen. About twelve years ago Mr. Harvey started a pharmacy at 31 Great George's Street, Cork, where he carries on a successful business.

Guardians' Doings.

The Mallow Guardians have accepted the tender of the Cork Chemical and Drug Co. for drugs. The contract was at first placed with Messrs. Boileau & Boyd, but this firm refused to accept new conditions regarding the return of empties.

Complaints of delay in delivering drugs came before the Granard Guardians last week. Dr. Keanan, one of the medical officers, stated that he had waited a month for some medicines which were urgently required. The Guardians are communicating with the contractors.

The Loughrea Guardians received only one tender for drugs, and that from Messrs. Clarke & Co., Dublin, at 31½ per cent. abatement. Messrs. Clarke, however, stipulated that the Guardians must be responsible for the return of the empties. The tender was accepted and the doctors directed to return the empties promptly.

At the meeting of the Newcastle West Board of Guardians the Master reported that Mr. Guest, the dispenser, had ceased doing duty and that Mr. O'Reilly had taken up work as his substitute (*see C. & D.*, April 23, p. 598). After some discussion a resolution was passed suspending Mr. Guest on the ground that he left without the sanction of the Board, and appointing Mr. Dore *pro tem.* at the rate of 60*l.* per annum.

The Infirmary Committee of the Belfast Board of Guardians has once more discussed the use of Igazol in connection with the treatment of consumptive patients. This article was the subject of a correspondence with the Local Government Board in 1904, as, not being on the prescribed list of medicines, no recoupment is allowed by the Local Government Board. The expenditure on Igazol was formerly 21*l.* a year, but in the last twelve months this was reduced to 30*l.* 16*s.* Dr. Hall stated that no similar article gives as beneficial results as Igazol, and the committee decided to recommend that Dr. Hall be permitted to continue to use it.

The Local Government Board are in correspondence with several Boards of Guardians regarding recent drug contracts. The Cork Guardians are asking to be allowed to give the contract locally, the difference in the cost of the drugs being 15*s.* per cent.—The Mohill Guardians are still persisting in accepting a tender which was not the lowest, and offer to bear the extra cost, about 1*l.* per annum.—The Cootehill Guardians are asked to explain why they gave the contract for surgical instruments to Messrs. Boileau & Boyd, when that of Messrs. Connor & Sons (Newry) was ¼ per cent. lower. The Guardians plead that it is more convenient to give the two contracts (drugs and surgical instruments) to the same firm.—The Tobercurry Guardians accepted a Sligo tender for drugs, although it was not the lowest, and have informed the Local Government Board that they did so on the score of convenience.—The Tipperary Guardians have appointed Messrs. Boileau & Boyd contractors for surgical appliances, the L.G.B. having objected to the appointment of Messrs. Fanning, whose tender was not the lowest.

DRUGGISTS' SUNDRIES are advertised in this issue by Mr. Charles L. Moores, 32 Navigation Street, Birmingham.

Scots News.

(When sending Newspapers containing Trade news to the Editor please mark the items.)

Aberdeen.

Fine weather prevailed on Monday, May 2, the Aberdeen spring holiday. Most of the chemists took advantage of the absence of the people and closed their premises for the greater part of the day.

The Northern Co-operative Co., Ltd., had under consideration the opening of branches of their various departments in Peterhead if a sufficient number of inhabitants indicated their willingness to take shares. The response was such that the directors have decided to take no further steps in the matter.

Edinburgh.

Many chemists are making only small quantities of spirituous tinctures, etc., for immediate needs, until it is seen whether part of the spirit-duty will be taken off or not.

Despite the high price of rubber a Scots firm of manufacturers was advertising "Snow boots at reduced prices" the other day. Now is the time to stand prepared against the rigours of the long Scots summer.

Mr. Jas. Baillie, chemist and druggist, Colinton, Mid-Lothian, has sold his business to Mr. T. W. F. Thompson, chemist and druggist, formerly with Messrs. Duncan, Flockhart & Co., 139 Princes Street. Mr. Baillie leaves shortly for Vancouver, British Columbia.

The Edinburgh and Leith Post Office Directory will have a heading for "Pharmacists" this year, and the old column for "Chemists and Druggists" is apparently also to be inserted. The canvassing postmen are asking payment of one shilling if the house address of business men is required to be added to that of the shop, etc.

Glasgow and the West.

It is rumoured that Boots, Ltd., have acquired the branches of Cockburn & Co., Ltd., Glasgow.

Mr. J. W. Sutherland, Ph.C., has gone to the South of England to recuperate after his recent illness.

Messrs. Christie Bros., wholesale druggists, have removed from 138 Howard Street to 11 Dundas Street.

There is a boom in Sanatogen and Formamint window displays in the city, West End pharmacies taking the lead.

Mr. T. H. Johnston, chemist and druggist, Springburn, who sold his two businesses recently, is sailing shortly for Brisbane.

Mr. T. Ferguson, pharmacist and optician, 335 Cathcart Road, is opening a branch shortly at 73 Main Street, Rutherglen.

Mr. Robert MacGregor, chemist and druggist, of the Springburn Apothecaries' Hall, has passed the medical Preliminary examination.

Regret is expressed by medical men and dentists that the British Oxygen Co. have ceased to manufacture nitrous oxide at their Glasgow works.

Claims against the estate of the late James Walker, chemist and druggist, Saltcoats, are to be lodged with Mr. Joseph Kirkland, solicitor, Saltcoats.

Messrs. Alexander Hope, jun., & Co., Ltd., manufacturing chemists, Anchor Chemical Works, 1005 Garngad Road, Glasgow, are erecting additional premises there.

At the recent second professional examination in medicine of the Glasgow University, Mr. Alex. Davidson, chemist and druggist, passed in materia medica and physiology.

Since the distribution of a neat supplement of the Glasgow and West of Scotland Formulary to local doctors there has been a decided increase in the number of prescriptions for preparations contained therein.

French News.

(From the "C. & D." Correspondent.)

THE UNIVERSITY OF PARIS.—The Council of this University has announced that Professor Arrhenius will give a series of lectures in Paris next spring on the laws of physical chemistry discovered by him. The expenses will be covered by a donation made to the University by L. Albert Kahn.

CHEMICAL ANALYSIS.—M. Goris, head of the micrographical laboratory for practical work at the Paris Superior School of Pharmacy, has left this post to take up a position in the new chemical analytical laboratory in connection with the 1905 Act for the repression of alimentary and other frauds. His place at the school has been filled by M. Souèges.

SENATORIAL DENTISTRY.—French M.P.s receive various privileges (free railway passes, etc.), besides a regular salary. An official dentist has now been appointed to the Senate. "He is," he announces, "at the entire disposal of MM. les Sénateurs, every Tuesday from 4 to 6 p.m., in the medical consulting-room of the Luxembourg Palace," nor does he omit to add that this senatorial clinic is entirely gratis.

PIERRE CURIE.—The statuary in the Academy of the Société Nationale des Beaux Arts at Paris, which is now open, contains a marble bust of the late Pierre Curie, of radium fame. The sculptor is M. E. S. Vernier, and he has succeeded in obtaining an excellent reproduction of the great savant's features. The bust has been ordered by the State authorities, and is destined for the Institute of France.

L'AFFAIRE DE VAUGIRARD.—The latest phase in the matrimonial difficulties of the pharmacien of Vaugirard, M. Parat, and his wife, was a confrontation a few days ago of the couple in the presence of three medical experts for mental cases. Parat renewed the shameful accusations against his wife, which she denied, and, with many tears, again related the trials and torments to which her husband had submitted her.

THE MARCH OF SCIENCE.—New buildings are to be erected on the site of the convent of the Dames de St. Michel, between the rues d'Ulm, St. Jacques, and Gay-Lussac, for various branches of the Sorbonne (Paris Faculty of Sciences). The analytical chemistry services will be removed from the rue Michelet as soon as these new premises are completed, and the Radium Institute and Institute of Chemistry will also be lodged there.

A PERMANENT PHARMACOPOEIA COMMITTEE.—The French Minister of Public Instruction has just nominated a special and permanent committee for preparing the future edition of the Codex Medicamentarius. It will also undertake the preparation of any supplements of the 1903 Codex. The committee consists of twenty-three members, and includes the most distinguished pharmacists of Paris, such as MM. Guignard, Bourquelot, Buchet, Henri Gautier, Grimbart, Jungfleisch, Leger, Marty, Moureu, Perrot, and Crinon.

SUBSCRIPTIONS FOR FLOODED PHARMACISTS.—A subscription opened by the General Association of French Pharmacists on behalf of pharmacien who suffered by the recent floods in Paris and the neighbourhood has produced so far 26,227f., or rather more than 1,000l. The distribution of the funds has been made by the committee of the General Association, and a number of pharmacists in a small way of business, who were sorely tried by the unexpected and extraordinary nature of the floods, have received discreet and timely aid.

ENTERIC STATISTICS.—With reference to the "typhoid scare" raised just after the Paris floods, a medical journal gives a few instructive statistics. The usual average of deaths in the French capital during the first eight weeks of the year is 8,850. In 1909 it was 8,919; in 1910, 7,713. From February 20 to 26, 1909, thirty-six cases of typhoid were registered in Paris, and six deaths occurred. In 1910 there were thirty-one cases and three deaths. Did the microbes, the medical journal asks, perish in the flood?

TROPICAL HYGIENE.—The London Chamber of Commerce as published at 1d., in its pamphlet series, the three lectures on tropical hygiene recently delivered to the Chamber by Mr. W. J. Simpson, C.M.G.

Australasian News.

"The Chemist and Druggist" is regularly supplied by order to all the members of eight Societies of Chemists in Australia and New Zealand.

New South Wales.

WAGES BOARD PROBLEMS.—The Pharmaceutical Industrial Board, Shop Assistants, of New South Wales met on February 23 to consider three applications to vary the award gazetted on September 15. One application was that the Sunday off should be equivalent to half a day off per week, so that in case of shops never opened on Sundays it shall only be necessary to allow employes one half-day off per week. This was not accepted by the Board. The second application was that dispensers at hospitals and public or private dispensaries should be brought under the award. This was deferred for further consideration. On behalf of the Pharmacy Board the Registrar asked for a variation or statement as to which of two apprentices should be dismissed where one is only allowed under the award, both having been legally indentured, before the award was made, what is to become of the dismissed apprentice, and who would take the responsibility if the guardian brings a lawsuit against the employer? The President of the Board stated that the award merely varied the pay of apprentices indentured before it was given. It did not attempt to make such increased pay apply from the signing of the indentures, but further inquiry is to be made. The Registrar of the Pharmacy Board contends that the award is *ultra vires* in certain directions.—On March 16 the test case was brought before the Industrial Court by Mr. R. C. Park and Mr. S. A. Moss, respectively chief assistant at the head office and manager of the Paddington Branch of the Sydney United Friendly Societies' Dispensary and Medical Institute. Mr. Park is paid 3*l.* per week and Mr. Moss 2*l.* 15*s.* Both claimed 3*l.* 10*s.* per week, with house rent free, as managers, and arrears of salary. For the Friendly Societies' Dispensary the defence was that dispensaries are exempted from the award, not being shops within the meaning of the award, since they do not serve the outside public. Judgment was reserved.

Queensland.

BRISBANE COLLEGE OF PHARMACY.—The opening of the session took place on March 1. The Hon. W. H. Barnes, Minister for Public Instruction and Public Works, occupied the chair. Among those present were the Hon. D. H. Dalrymple, Mr. E. H. McCartney, M.L.A., Dr. Elkington (Commissioner of Public Health), Messrs. W. Norton, W. R. Parker Hills (President of the Ophthalmic Society), A. Forbes (President of the College), R. C. Cowley (Director), and G. J. Mackay (President of the Pharmaceutical Society). Mr. Cowley delivered an address on "Medicinally Active Constituents of Plants and their Uses in Plant Economy." After the address Mr. Forbes, President of the College Committee, reviewed the work of the College. He said that at the recent conference of examiners it was recognised that the examinations in Queensland are, in regard to pharmacy, of a higher standard than those of any other State in the Commonwealth. Reciprocity has already been established with the other States, and he hoped that similar arrangements would soon be established with Great Britain. Dr. Elkington, the newly appointed Commissioner of Public Health, spoke of the relations between medical men and pharmacists. It had been said that the pharmacist is the doctor's right hand, but he is more than that, as he holds in his hands the doctor's reputation and has the power to make it or mar it. He congratulated the College on possessing as Director a man of Mr. Cowley's ability. The Hon. W. H. Barnes was proud that Queensland should possess such an institution, and he hoped that it would be an important factor in the University scheme.

Tasmania.

DISPENSARY APPRENTICES.—The Attorney-General has introduced a Bill to amend the Pharmacy Act, 1908, which would have the effect of allowing friendly societies' dispensaries to take apprentices, the apprenticeship to be recognised as part of the course necessary for candidates for registration as pharmacists. The Bill was discussed on December 16, and withdrawn.

South African News.

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in business in British South Africa.

Natal.

INSOLVENCY.—Mr. T. D. Charlton, chemist, Durban and Pinetown, surrendered his estate on April 5. The liabilities amount to 3,314*l.* 10*s.* 6*d.*, with a deficiency of 1,154*l.* 10*s.* 6*d.* Failure was attributed to losses by fire and to depression in trade.

PROVISIONAL JUDGMENT was granted on April 4, at the Durban Magistrates' Court, to N. W. Charlton, chemist, Pinetown, against T. D. Charlton, chemist, Durban, for the sum of 308*l.* 11*s.*, being balance of salary due in respect of services rendered, with interest, costs of suit, and costs of interdict against the Royal Exchange Assurance Co. restraining them from paying certain moneys to the defendant.

Orange River Colony.

O.R.C. MEDICAL AND PHARMACY COUNCIL.—The monthly meeting was held in Bloemfontein on April 8, with Dr. Ward (President) in the chair. The following members were also present: Drs. Bidwell, de Kock, Johnson, Swift, and Pratt-Yule, Mr. Redpath (dental member), and Messrs. Hewitt and Jeffreys (chemists). It was explained that Mr. Fowle, of Brandfort, the newly appointed pharmaceutical member, was absent owing to the non-arrival of the train by which he was travelling. Two convictions were reported of contraventions of the Medical and Pharmacy Ordinance, a native having been fined 10*l.*, or three months' imprisonment, and a European named Nel having been fined 75*l.* in all, or twelve months' imprisonment, for practising as a medical practitioner without being registered. A discussion as to the date of the proposed Medical and Pharmaceutical Conference resulted in the matter being left for the President to arrange, the last week in April being recommended. It was announced that all the Colonial Medical Councils had agreed to the conference being held at Bloemfontein. Mr. Hewitt reported that the letters which, at the request of the President, he had addressed to the Cape and Natal Pharmacy Boards had had no result, and the Secretary was instructed to write pressing for replies, as the time was now so short. A letter was read from the Transvaal Board stating that the Colonial Secretary (Mr. Smuts) had expressed the opinion that the sale of poisons, being of a contentious nature, should not be discussed at the conference. After some discussion, in which it was pointed out that any Pharmacy Act must of necessity deal with the sale of poisons, it was decided to reply that the Council's opinion was that at the conference to be held the chemists may discuss the sale of poisons, and should any decisions be arrived at, the Medical and Pharmacy Sections would then jointly consider them. The representation for the medical men was recommended to be three doctors from each Council, and for the Dental Section one dentist. Owing to the inability to obtain information from the Cape and Natal as to whether they were participating in a pharmaceutical conference, no decision was arrived at as to what representation the Pharmacy Boards would have. A letter was received from the Premier (Mr. Fischer) stating that he was considering the question of giving the Government's official recognition and support to the conference.—The "Government Gazette" of April 8 contains notification of the appointment by his Excellency the Administrator of the following as members of the third Medical and Pharmacy Council: Drs. Ward, Daniel, and Pratt-Yule, Mr. Redpath (dentist), and Messrs. Hewitt and Fowle (chemists). Particulars of the election (which takes place on July 9) of four doctors and one chemist are also given. The new Council will come into office on July 13 for a term of three years nominally.

Transvaal.

PERSONAL.—Mr. J. George is relieving Mr. Inglis at Pilgrim's Rest, Lydenburg District, for six months. Mr. Inglis intends visiting the Old Country shortly.

AN ENTERPRISING EXHIBIT at the Witwatersrand Agricultural Show, held at Johannesburg during the last week in March, is that of Mr. Alexander Rennie, who showed eucalyptus oil (distilled locally), "Horticura" insecticide, "Perfection" fluid disinfectant-soap, and lemon-squash and other fruit drinks.

THE TRANSVAAL PHARMACY ATHLETIC CLUB.—A meeting was held at the Trocadero, Johannesburg, on April 5, for the purpose of forming a Chemists' Sports Club. Mr. Johnston (President of the Pharmaceutical Society) presided over a company numbering about fifty, which included Messrs. J. H. Dinwoodie, Alex. Rennie, A. S. Smith, W. B. Marshall, J. Christie, A. Purnell, H. Whieldon, H. Hetherington, J. Crawford, J. Anderson, H. Teeger, J. Sanderson, and W. T. Keating. It was decided to form a club named the Transvaal Pharmacy Athletic Club. Chemists and their employés (including ladies) are eligible for membership. Persons not entirely connected with the drug-trade may be admitted at the discretion of the committee. Sub-sections are to be arranged for dealing with the various forms of sports. The following officers were elected: President, Mr. W. B. Marshall (Turner & Co.); Vice-President, Mr. J. Mitchell (Mitchell & Co.); Hon. Secretary, Mr. H. Woieldon (Lennon, Ltd.); Assistant Hon. Secretary, Mr. H. H. Burrows; Hon. Treasurer, Mr. H. Hetherington (Johnston & Co.); committee, Messrs. R. Neilson, Mills, J. Christie, J. Anderson, H. Teeger, J. Sanderson, and W. T. Keating.

Colonial and Foreign News.

"ASPIRIN" IN GERMANY.—The Berlin Appeal Court has decided, in an action by Bayer, of Elberfeld, against two apothekers for dispensing as aspirin an acetyl-salicylic acid not made by Bayer, that "as aspirin and substitutes of it figure alike in doctors' prescriptions, the pharmacist is within his rights in giving the prescription-term of 'aspirin' to his own preparation."

SHANGHAI TRADE.—The Customs returns for the first quarter of 1910 show a fair advance in the trade of Shanghai, the total increase from duties being 696,872 Haikwan taels (104,530*l.*) as compared with the corresponding period of last year. The most conspicuous advance has been in kerosene, which has advanced from 4,775,885 gals. to 14,843,627 gals. The imports of aniline dyes has almost doubled, 239,788 H. taels (35,964*l.*) to 463,069 H. taels (69,460*l.*). The imports of native opium show a slight decrease, but foreign opium has increased from 4,877 piculs to 7,088 piculs. These figures, coupled with the fact that about 200,000 taels worth of opium was in storage in Shanghai at the close of last year, indicate that dealers have been buying heavily against the possibility of the total prohibition of opium exportation by the Indian Government.

GERMAN CO-OPERATIVE WHOLESALE.—The Handels-gesellschaft Deutscher Apotheker, a limited co-operative undertaking started a few years ago by a number of German pharmacists on the lines of a wholesale supply house, and only open to members of the Deutsche Apotheker Verein or Berlin Apotheker Verein, now has a membership of about 3,000. Besides the head offices in the Vereinshaus, Berlin, it has branches in Cologne, Dresden, and Munich. The turnover in 1909 reached 587,500*l.*, or an increase of 112,500*l.* over the preceding year; the surgical dressings factory which was recently opened showed an increase of 36 per cent. in its turnover. The net profit made during the past year amounted to 40,719*l.* 16*s.*, out of which a dividend of 6 per cent. will be paid on the capital, 5 per cent. on the cash orders of members, and about 1,750*l.* is to be divided among the 568 officials employed, besides 150*l.* paid into the provident fund of the Deutsche Apotheker Verein.

THE NEW JAPANESE TARIFF.—"The Times" correspondent at Tokio, under date of May 2, states that the questions in the British House of Commons regarding the Japanese tariff cause surprise in Japan as showing grave error. The facts are that the drafters of the tariff took the utmost care to consider British interests. The revised rates are in some cases lower than the old; in no case is there a conspicuous increase. He is assured that the actual figures prove this.

Canadian News.

(From the "C. & D." Correspondent.)

ONTARIO.—An amendment of the Pharmacy Act has been obtained legalising the payment of the expenses of delegates, appointed from the Council of the College of Pharmacy, to attend the meetings of the Canadian Pharmaceutical Association.

TWO MONTREAL CHEMISTS have been the victims of a very old trick. A man telephoned ordering goods, giving a fictitious name and telling where to send them. When delivered he bolted with the goods and the change, entrusted to a boy. Mr. Martineau, of St. Laurence and Mount Royal Avenue, and Mr. Gravel, corner of Amherst and St. Catherine Streets, were the victims.

THE WILL of the late Charles Lyman, wholesale drug-merchant, Montreal, who died on November 17, 1909, has been filed in Toronto for Ontario probate, Mr. Lyman having owned a number of shares in the Wood's Product Co., of Ontario. The document disposes of an estate of \$67. Half of this is left to the widow, who, under the laws of Quebec, acquires the other half without the necessity of a will.

MONTREAL COLLEGE OF PHARMACY.—The sessional examination has resulted in the following awards: Botany, L. G. Hilborn; chemistry (junior class), F. G. Fletcher, E. R. Belemas, W. M. Barnes, A. Ellison, W. J. Casey, and E. C. Lyons; (senior class) Georgina St. Georges, L. J. E. Ledue, Yoland Gauthier, J. W. Leroux, M. Froeman, and M. Freedman; materia medica (junior class), Victor Richmond, A. H. Jasby, and F. G. Fletcher; (senior class), Jules Couillard, Damien Pare, and M. Freeman. These are in order of merit.

Japanese Jottings.

(From the "C. & D." Correspondent.)

DENTAL SCHOOL WANTED.—A petition has been presented to the Japanese Diet for the establishment of a Government Dental School.

A REPORT of the Naval Sanitary Service during the Russo-Japanese war will be published by the Imperial Admiralty in July, and will consist of 2,000 pages.

THE CENTRAL HYGIENIC LABORATORY in South Manchuria is to be reconstructed this year at a cost of 52,000 yen. It is the only establishment in South Manchuria superintended by the Governor-General of Japan.

A MEDICAL CONFERENCE was held at Osaka from April 1 to 4, which included pharmaceutical, clinical, and surgical exhibits of French, German, and American origin. British preparations and apparatus (writes our Osaka correspondent) were absent, to the regret of the medical men present.

A GOVERNMENT BILL amending the regulations for trading in drugs has been passed by both Houses of Parliament. It will enable graduates of the newly established Pharmaceutical technical school, as well as those of the pharmaceutical departments of the Medical colleges, to sell drugs without examination.

EXAMINED DRUGS.—The reports of the Tokyo, Osaka, and Yokohama Government Laboratories during November and December last are as follows: Ordinary drugs, 214,144 (2,852); poisonous, 19,281 (95); and dangerous, 99,078 (627). The first figures represent samples which passed the standard, and the figures in parentheses those that were rejected.

A FEATURE of the Nagoya Exhibition which was opened on March 15 was an advertising tower erected in the interests of patent-medicine vendors. The tower is 208 feet high, and consists of fifteen storeys, built at a cost of 18,000 yen. The interior contains restaurants, tea-houses, samples of medicines, advertisements of proprietaries, and the lists of names of vendors. The Commercial Museum of the Department of Commerce and Agriculture is to have a special exhibit of patent medicines prepared for export.

Legal Reports.

Poisons and Pharmacy Acts.

GLASGOW ASSISTANTS.

At the Glasgow Sheriff Court on April 26, Sheriff Fyfe had before him two cases instituted by the Pharmaceutical Society, under Section 15 of the 1868 Act, against assistants who are not registered chemists. One of the cases was disposed of—viz., against David B. McDowall, assistant to Mr. James Park, chemist, 167 Main Street, Bridgeton, who sold aconite and belladonna liniment, red precipitate and laudanum. He admitted the three offences, and was fined £1. for each offence, and £1. 1s. 6d. costs. In the other case William McGregor, shop assistant to Mr. Robert Jope, L.R.C.P.E., L.F.P.S.G., 212 Saracen Street, Possilpark, pleaded not guilty to a charge of selling red precipitate and laudanum, and the hearing was adjourned.

PART I. POISON BY POST.

At the Guildhall Police Court, London, on May 3, before Alderman Sir Horace Brooks Marshall, Mr. Charles Arthur Mercer, of the firm of Townson & Mercer, wholesale chemical dealers, 89 Bishopsgate Street, E.C., was summoned, under Section 17 of the 1868 Act, at the instance of the Public Prosecutor, for having on March 9 unlawfully sold a certain poison, being one of those named in Part I. of the Schedule to the Poisons and Pharmacy Act, 1908—viz., cyanide of potassium—to Henry Ernest Adrian Vanrenen, who was unknown to him, contrary to the provisions of the Act. [The circumstances attending the death of the purchaser were reported in the *C. & D.*, April 2, p. 500.]

Mr. William Lewis, who appeared on behalf of the Public Prosecutor, said Vanrenen was a cadet at the Royal Naval College, Dartmouth, and shortly after the poison in question was supplied to him on his order he died. When inquiries were made of the defendant, Mr. Mercer admitted the fact that he had supplied this poison.

Mr. Savill (Chief Clerk): Was it simply an order sent by Vanrenen, or was it an order from the College?

Mr. Lewis: This is the letter containing the order:

"Royal Naval College, Dartmouth, March 8.

"DEAR SIR,—I have had great difficulty in procuring potassium cyanide locally. The small chemists do not stock it. I wish to make up small silver-plating bath. Could you send about ½ oz. of potassium cyanide, KCN, in stoppered bottle, and postage about 1s., to H. E. A. Vanrenen, R.N.C., Dartmouth?"

That order was executed without any inquiry being made. Mr. Mercer told Inspector Collison that this was the only transaction he had had with Vanrenen, and that he had never been introduced to him.

Mr. Savill: Did the lad commit suicide?

Mr. Lewis replied that an inquest resulted in a verdict of "death from misadventure."

For the defence, Mr. Cyril H. Kirby (of Messrs. Neve, Beck & Kirby, solicitors) observed that Mr. Mercer was the principal of a firm which had been established for 100 years, and this was the first complaint of any kind ever made against them. As a matter of fact, Mr. Mercer did not take any part in this transaction and knew nothing about it till afterwards. There was no doubt, however, that he had a legal responsibility. An assistant received the letter which had been read, and he believed that the person who wrote it was an officer of the College, or at any rate was a grown man. At all events, he thought the writer had something to do with the laboratory. The firm had executed orders given by the Admiralty for this College, and therefore there was nothing unusual on the face of the letter. Of course, it did not actually purport to be an official order, but the assistant judged it to be from some responsible person who desired to make some experiment for himself. The potassium cyanide was supplied, not in the form in which it would be used for medicine or British Pharmacopoeia preparation, but in a cake, the form in which it was used for silver-plating. He mentioned this as showing that throughout the transaction was carried out in perfect good faith and in the belief that the potassium cyanide was required for the purpose

indicated in the letter. No one, he ventured to think, on reading that document would take it as coming from a cadet fifteen years of age, but would judge it to be a man's letter. Mr. Mercer had given all the information he could both to Inspector Collison and to Major Vanrenen, the lad's father, and the latter had expressed himself as satisfied with the explanation given and would say so in writing to the Admiralty. The order was believed to be a genuine one, and that impression was conveyed by the description of the purpose for which the potassium cyanide was required. If the assistant had had any idea that the order came from a cadet, of course he would never have executed it, and the unfortunate consequences, which no one regretted more than Mr. Mercer, would not have ensued.

Sir Horace (addressing the defendant): This is a very serious offence, and I do not think that anything urged in your favour is any excuse. It is only when such misadventures as this occur that these things are found out. I must impose the full penalty of 5*l.*, and two guineas costs.

[The following statement appeared in "The Times" of May 5: "Mr. R. Bremridge, registrar under the Pharmacy Acts, writes that Mr. Charles Arthur Mercer, who was fined at the Guildhall on Tuesday for the sale of cyanide of potassium to a person unknown to him, was incorrectly described as a chemist and druggist. Mr. Bremridge states that Mr. Mercer's name does not appear upon the statutory register of chemists and druggists kept by him in pursuance of the Pharmacy Acts."]

WHAT IS A WHOLESALE TRANSACTION?

At the Otley (Yorks) Police Court on April 29, Mr. Harry Robinson, chemist and druggist, 5 Browgate, Baildon, appeared to answer a summons for an alleged breach of Section 17 of the Pharmacy Act, 1868—namely, that he failed to make a proper entry in the poison-book of a sale of cocaine hydrochloride, as required by law. Police-superintendent Strain, of Otley, prosecuted, and the defendant was represented by Mr. Clifford Dunn, of Leeds, who was instructed by the Chemists' Defence Association, Ltd.

Before the case was proceeded with, Mr. Dunn drew attention to the fact that the summons was not quite accurate, inasmuch as no mention was made as to which part of the schedule of the Poisons and Pharmacy Act contained the poison in respect of which defendant was charged. According to the summons, he was summoned for selling a poison "named in the schedule of the Pharmacy Act," and he respectfully submitted that that did not constitute an offence. He had no doubt whatever that Part I. of the schedule was intended, and he would like the summons to be amended.—In view of the remarks of Mr. Dunn, it was decided that the summons should be amended as requested.

Police-superintendent Strain stated that the case was taken upon information laid under Section 17 of the Pharmacy Act of 1868, and the penalty for the first offence was 5*l.*

Police-sergeant Holliday, of Baildon, said that on March 27 he received from Dr. Adam Macvie, at Baildon, a box containing poison (produced). At ten o'clock the same night he saw the defendant at his residence, and told him that Victor Hall, of Kirkfield, had been poisoned on the previous night, and that a box of cocaine had been found near his dead body. The defendant said he had sold the poison to the deceased on the previous day at about four o'clock, but he afterwards corrected himself, and said it would be about six. The defendant said Mr. Hall had asked for it for veterinary purposes. He said he had asked for 30 grains of cocaine at first, but on his advice he had taken 20 grains only. Mr. Robinson then weighed the contents of the box, and said that 7 grains of cocaine was left in it. On the following day witness attended an inquest on the body of Victor Hall before Mr. C. P. Charlesworth, the Coroner, when a verdict was returned that the deceased had "accidentally poisoned himself by an overdose of cocaine hypodermically administered." From something which the Coroner said to him, at 3.15 on Thursday, March 31, he, in company with Police-constable Denton, again saw the defendant and showed him the box. He told him that the Coroner had

requested the police to make inquiries into the matter to see if, in the sale of the poison, the requirements of the law had been duly carried out. The defendant again admitted the sale, and when asked if he had entered the sale in his poison-book, he said he had not done so; that he had known Mr. Hall for a very long time, and that he had understood that he was a veterinary surgeon; that he had been practising as such, and that he had no idea that he was not actually a veterinary surgeon until he read of his death in the newspapers. He further stated that he had sold it as a wholesale transaction, but having an account with Mr. Hall, he had entered the sale in his day-book, which he showed to witness. Witness was stating what he saw in the day-book, when Mr. Dunn objected on the ground that the book was in court for inspection.

Dr. Macvie, of Baildon, spoke to being summoned to Kirkfield, where he found the dead body of Victor Hall. He said the body was in a loft over the stable, which had been fitted up like a chemist's shop. He examined the body, and came to the conclusion that death had ensued through the taking of an overdose of cocaine administered hypodermically. In cross-examination by Mr. Dunn, witness stated the syringe belonged to himself (Dr. Macvie). His son had asked if he could lend the syringe to the deceased, and he had granted permission. He had no hesitation whatever in saying that, from his knowledge of the deceased, and from his knowledge that the deceased was studying for a veterinary surgeon and occasionally practising, he would have no qualms in lending the syringe to him.

Mr. F. E. E. J. Hall, the deceased's brother, who was watching the case on behalf of his family, said his brother was twenty-two years of age, and was a veterinary student. He had occasionally practised veterinary work. In answer to Mr. Dunn, witness said his brother had acted as *locum tenens* for veterinary surgeons. He was in the habit of taking locum-tenencies all over the country, and was qualified to do so by reason of the studies which he had been carrying out. In due course he would probably have become a veterinary surgeon himself.

Mr. F. W. Richardson, F.I.C., said he examined the box, which contained about 7 grains of cocaine hydrochloride, a drug which was included in Part I. of the Schedule of the Poisons and Pharmacy Act. It was properly labelled: "Cocaine Hydrochloride. Poison. Robinson, chemist and wine and spirit merchant, Baildon."

Mr. Dunn, in addressing the Bench, said he thought he could satisfy them that an offence had not been committed. The police officer had told them that, rightly or wrongly, Mr. Robinson believed that Mr. Hall was a veterinary surgeon. He had no means of knowing that he was not, and, on the contrary, every information which had been conveyed to him was to the effect that Mr. Hall was a veterinary surgeon. The 20 grains of cocaine with which the deceased was supplied was a much larger quantity than would be supplied to an ordinary person, but it would have been supplied without hesitation to any medical man or to a veterinary surgeon who the chemist had reason to believe was fully qualified, in a wholesale capacity. By reason of that fact, it would be supplied to the medical man or to the veterinary surgeon for the purposes of his business and for him to use again, and would, therefore, be supplied at a price lower than that charged to the public. A transaction of that kind was protected by a proviso in Section 17 of the Pharmacy Act, 1868, and he would especially draw their attention to that proviso, which related to the poisons in the first part of Schedule A, that being the reason why he had asked for the amendment of the summons. The proviso was to the effect that the restrictions and regulations in regard to the sale of poisons did not apply to sales by wholesale to retail dealers in the ordinary course of wholesale dealing. Now, so far as Mr. Robinson was concerned, the sale which took place was a *bona-fide* sale of a wholesaler, as they may call him, to a retailer. There had been no direct decisions upon that actual point, but he had with him a book written by a gentleman, who was peculiarly skilled in the particular branch of legislation in regard to the sale of poison—namely, Mr. Glyn-Jones. He proceeded to read the following passage ("Law of Poisons and Pharmacy," p. 39 and 40):

"It is difficult to define what constitutes the sale of poison by retail. 'To retail' primarily means to sell goods in small

parcels, and not in gross, as opposed to the sale by wholesale, i.e., by the piece or in large quantities. The terms 'wholesale' and 'retail' are frequently used in the Licensing Acts, and in the case of beer, spirits, and wines, the question as to whether a particular sale is by retail or wholesale is decided for the purposes of those Acts by a limit of quantity definitely fixed by statute (4 & 5 Will. IV. c. 85; 23 & 24 Vict. c. 27; 35 & 36 Vict. c. 94; 43 & 44 Vict. c. 24). The quantity sold at any one time cannot be said to be the only criterion for deciding whether a sale is by 'wholesale' or 'retail' within the meaning of the Pharmacy Acts. It is important to consider the bearing of the words in the next section, by which it is provided that the provisions of this and the other preceding sections of the Act shall not interfere with the business of wholesale dealers in supplying poisons in the ordinary course of wholesale dealing. The exemption relating to wholesale dealing contained in the 17th Section of this Act should also be compared. In *Treacher & Co., Ltd. v. Treacher* (1874), 9 W. N. 4, which was an action for breach of covenant, Bacon, V.C., said: 'As a general rule, wholesale merchants dealt only with persons who bought to sell again, whilst retail merchants dealt with consumers.' The Pharmacy Act was not in question in that case, but, with some modification, that dictum appears to apply 'to the ordinary course of wholesale dealing' in poisons. As a general rule, the wholesale dealer in poisons deals only with (a) persons who buy to re-sell, (b) medical men, and (c) others who purchase poisons for use in their profession or business in such quantities as it is the custom of wholesalers to supply. In the absence of any direct legal authority to the contrary, it is probably correct to say that sales of poisons to persons outside those classes are for the purposes of this section sales by retail, irrespective of the quantity sold, and can only be made by registered chemists and druggists."

Proceeding, Mr. Dunn said he did not put that opinion as binding upon the Magistrates, but it was the opinion of an expert, and he would ask the Bench to apply it to the case now under consideration. He thought there was no suggestion that there had been any attempt at concealment, or that Mr. Robinson at the time, however wrong he might have been, thought he was doing wrong. It was quite clear from the evidence which had been given that the defendant thought he was well within his rights in supplying the poison to the deceased, whom he believed to be a veterinary surgeon. Possibly it would have been more wise to have made the entry in the poison-book, but no one was wise at all times. The point that mattered was not exactly what the deceased was, but what Mr. Robinson had good reason for believing him to be. Mr. Dunn also mentioned the case of *Berry v. Henderson*, in which a chemist stated that he had made up prussic acid under a prescription brought by a man totally unknown, a prescription bearing the initials "R. M. L.," a medical man. It was never proved that "R. M. L." did actually sign the prescription, or that the prescription was genuine. The Judge in that case said the question to be dealt with was whether the defendant *bona fide* believed that this was a medical prescription and was written by a duly qualified man. If he really believed that, and had reason for believing it, he was covered by the exemption in the section, and had therefore committed no offence. How much more reason had Mr. Robinson in this case to think he was dealing with a properly qualified man. He did not say the police were not justified in bringing this case, although they knew, in some degree, what defence would be put up.

The defendant then went into the box, and said he had been a registered chemist since 1881. He had known the deceased for some years, and at the latter part of March, when he was home from Liverpool, he went to his shop and obtained the cocaine together with other medicines. He (witness) was aware that the substance was used as an anæsthetic when performing slight operations on animals. The young man appeared to be in good spirits, and he (witness) had no hesitation whatever in saying that he was the last man who would have been thought to want cocaine for any sinister purpose. He regarded the sale as one to a qualified man, and therefore he charged him for the 20 grains 9d., instead of 1s. 8d. which would have been charged to an ordinary customer. In answer to Superintendent Strain, defendant admitted that he had taken no steps to try to ascertain whether the deceased was properly qualified or not. He did not know whether he would supply cow doctors with poison in the same

way, because he did not think there were any in Baildon, but if he was a really *bona-fide* man he thought he would be entitled to get it as a wholesale transaction. He admitted that the price of 9d. was entered in the book after the police-sergeant had called upon him.

The Chairman said that, while the Bench believed that the police had acted properly in bringing the case, as Mr. Dunn himself had suggested, in the best interests of the public, and though it was easy to see after the event that greater precision and care should have been exercised, they were of opinion that defendant had acted with a *bona-fide* belief that the person he was serving was a qualified person—if not actually qualified in literal knowledge, at any rate in a practical habit of acting as a vet. Mr. Robinson had probably acted under a misapprehension, and the case would be dismissed.

Superintendent Strain gave notice of appeal, and Mr. Dunn said that in that case he was entitled to his costs, in accordance with a particular section of the Act which related to that matter.

The Chairman said the Bench could not give costs, because they believed that if they did this they would be as good as implying that the case should not have been brought, and they were far from thinking that.

Mr. Dunn therefore agreed to let the matter rest.

High Court Cases.

[Unless where otherwise stated the actions are in the High Courts of Justice, London.]

SACCHARIN PATENTS.

The Court of Appeal, consisting of the Master of the Rolls, Lord Justice Buckley, and Lord Justice Kennedy, commenced the hearing on Wednesday, May 4, of an interlocutory appeal by the defendants in the case of the Saccharin Corporation, Ltd., and others *v.* the National Saccharin Co., Ltd. Defendants appealed against an order by Mr. Justice Eve calling on them to give further particulars of their defence under the Patents Act (see *C. & D.*, April 9, p. 532).

In the course of Mr. Owen's argument for the appellants, the Master of the Rolls said: You have a very generous order against you. It enables you to make any inquiries you like on the Continent, provided you give the particulars fourteen days before the trial, so that the other side shall not be taken by surprise.—Mr. Owen continued his argument on Thursday, and without calling on counsel for the respondents the Court dismissed the appeal.

NATIONAL CASH REGISTER CO.

In the Court of King's Bench on May 2 and 3, before Mr. Justice Darling and a special jury, Mr. Julius Beardall, solicitor, of Beardall & Co., St. George's Street, Hanover Square, solicitors for the directors of the National Cash Register Co., brought an action for damages upon an alleged libel against John Bull, Ltd., Mr. Horatio Bottomley, editor, and Messrs. Odhams, Ltd., printers and publishers of "John Bull." The libel complained of was contained in the issue of "John Bull" for July 17, 1909, and attributed to Mr. Beardall that he had lent himself to having a witness in a pending action against the National Cash Register Co. removed out of this country. The defence was that the statement was true, and after the two days' hearing the jury returned a verdict for the defendants, but expressed, through the foreman, the opinion that the statements in the paragraph complained of did not apply to Mr. Beardall.

The Judge: You mean that the words complained of did not apply to Mr. Beardall?

The Foreman: Yes.

His lordship entered judgment for the defendants, with costs.

"DIAMINE" AS A TRADE-MARK.

In the Court of Appeal, before the Master of the Rolls and Lords Justices Buckley and Kennedy, on April 28, the Registrar of Trade-marks appealed from an order of Mr. Justice Neville (*C. & D.*, March 19, p. 432) directing the Registrar to proceed with the registration of the word "Diamine" in respect of mineral dyes, the respondents

(the applicants for registration) being Leopold Cassella & Co. Messrs. Cassella & Co. contended that the word "Diamine" had no meaning except to denote their goods, which were sold in great quantities in Germany, Great Britain, and other countries, and that for at least twenty years the word "Diamine" was identified in the trade with Cassella's dyes for dyeing cotton without water. The Registrar opposed the registration upon the grounds, first, that "Diamine" was a technical chemical word to be found in the dictionaries, denoting a certain chemical combination; and, secondly, that the applicants were seeking to justify their appropriation of the word by saying that they had misapplied it. Mr. Sargent appeared on behalf of the Registrar in support of the appeal, and Mr. Colefax on behalf of the respondents. Both addressed the Court, Mr. Colefax arguing that there was abundant evidence to show that "Diamine" in the trade had become associated with the company's productions. The Master of the Rolls said that after the decision in the "Perfection" case, that would be hardly sufficient. Judgment was reserved.

DEWAR'S VESSEL AND THERMOS FLASK.

In the Chancery Division on April 28 and 29, Mr. Justice Neville heard an action brought by Thermos, Ltd., against Isola, Ltd., to restrain an alleged infringement of letters patent No. 4421 of 1904, granted to Reinhold Burger and assigned by him to the Thomas Gesellschaft. Mr. A. J. Walter, K.C., and Mr. Moulton appeared for the plaintiffs, and Mr. Bousfield, K.C., and Mr. Colefax for the defendants.

Mr. Walter stated that the defence to the action, besides non-infringement, was invalidity of the patent and prior user; also a new plea which arose under the Lloyd George Act of 1907. The onus of the latter defence was on the person pleading it. The defendants said that the letters patent were bad and invalid, because the articles described therein were manufactured solely or mainly outside the United Kingdom. They relied upon that as a defence to the action. Counsel thought this part of the defence was founded upon some misapprehension, because the plaintiffs had a large factory in this country from which the demands of the British market had been met. The peculiar position under the 1907 Act was that whereas in a petition for revocation on that ground the decision of Mr. Justice Parker was final, it could, when raised as a defence to an infringement action be carried right through to the House of Lords. But as the plaintiffs did manufacture in this country more than the total demand of the British public, and the onus was on the defendants to prove that they did not, he did not propose to deal with that matter. In 1893 Professor Sir James Dewar was carrying out his historic experiments with liquefied gases, and having obtained those gases in the liquid state the problem of keeping them liquid for a reasonable time became of the greatest importance. A vessel was formed which was known as the Dewar vessel, that took the form of two test-tubes, one within the other, cemented together at the top, the space between the two tubes being completely exhausted of air before it was fastened up. Before that was done, however, the inside of the tubes that formed the walls of the space between the two tubes was completely silvered over in the manner of silvering a looking-glass. You had, therefore, a tube surrounded by a complete vacuum in a vessel formed of silvered glass. That was what was known as the Dewar vessel, and was the finest thing known to prevent the radiation of heat. Heat found it almost impossible to pass through the silver-covered walls and the exhausted space between them. That was perfectly well known in 1893, but a flask in that form was used only as a scientific instrument by scientific men. It was necessarily made of glass, and was much too fragile for commercial purposes. From 1893 until 1904 it remained a scientific apparatus used by scientific men to contain liquid gases, when it occurred to Burger that a flask on that principle might be made for domestic use, and for use by sportsmen, as that which kept out heat from the outside would also keep heat inside from getting out. In order that the Dewar vessel could be adapted to the use of the multitude for hot tea or cold drinks, for carrying in railway carriages or on horseback, it was necessary that it could be shut up and the fragile

ass covered with some kind of protection. Burger hit the idea of doing this. The difficulty was to prevent the at going through the cork, and Burger did this by making a flask of such a shape that the area of the nozzle was considerably less than the area of the main body. Then he put on an outside covering, with the result that you get a Thermos flask. Another idea of Burger was the supporting of the inner tube by small pieces of asbestos. The main difficulty to be overcome was the putting in a cork to prevent the liquid coming out, and at the same time prevent the heat getting out owing to the large expanse of cork. The patentee had enabled something to be done which had never been done before, and was therefore entitled to protection.

Evidence for the plaintiffs having been given by Mr. Allantyne and Mr. G. Hardingham, consulting engineer, His Lordship, without calling on counsel for the defendants, gave judgment. He said the claim was for a bottle for the storage and conveyance of liquids, particularly beverages, which would prevent variation of temperature. The specification stated that vessels for that purpose were readily known, but they had not the characteristic of the inventor's bottle. The improved bottle was of a cylindrical shape, and was enveloped in a cover. What was actually claimed, therefore, was the shape of the improved bottle and the protective envelope. The patentee did not confine himself to a particular bottle, but if that part of the claim meant anything it was for a cylindrical bottle suitable to be used as a field or hunting flask or the like. There was no doubt that the vessel referred to in the claim was Dewar's vessel and nothing else. The question was whether it was good subject-matter, having regard to the state of public knowledge at the date of the specification. The patentee claimed any shape of bottle that could be used as a field or hunting flask or the like, and His Lordship did not think that whatever interpretation he put on these words if the patentee could not claim a Dewar vessel he could claim a particular shape of Dewar vessel with a cover. The plaintiff's vessel was of a well-known shape, and so far as form was concerned all the inventor had done consisted in making a bottle-shape. His Lordship did not think that was good ground for a patent. On one sense the inventor had, no doubt, exploited for public purposes an invention which the evidence showed had previously been confined to scientific purposes, but whether or not that was good subject-matter for a patent depended upon how far the article was suitable for the purpose for which it was designed. There was no doubt that the idea was a good one and proved a great success, but the question was whether it required any inventive faculty in order to do that. It appeared to him that, having regard to the state of public knowledge, the patentee had not the necessary subject-matter for a patent, and the action must be dismissed, with costs.

Veterinary Surgeons Act.

A "VETERINARY SURGEON" NOT "M.R.C.V.S." At the South-Western Police Court, London, before Mr. Grey, on April 30, Mr. George Robert James, 5A Brixton Road, S.W., was summoned, at the instance of the Royal College of Veterinary Surgeons, for unlawfully stating or implying that he was a member of the College. Proceedings were taken under Section 16 of the Act, which is:

"If after the passing of this Act any person not being a fellow or a member of the Royal College of Veterinary Surgeons takes or uses any name, title, addition, or description, by means of initials or letters placed after his name, or otherwise, stating or implying that he is a fellow or a member of the Royal College of Veterinary Surgeons, he shall be liable to a fine not exceeding twenty pounds."

Mr. Thatcher, who prosecuted for the College, stated that the defendant is one of the registered "Existing practitioners," having practised as a veterinary surgeon for five years prior to the passing of the Act [Section 15 (1)]. This prosecution formed a sequel to a case heard at that court. Mr. James was a witness, and on that occasion described himself as being a member of the College. Mr. Wilkinson, for the defence, contended that no offence had been committed. The defendant was entitled to act as a veterinary surgeon, and, Mr. Wilkinson submitted, Section 16 only became operative whenever the

initials or letters referred to were affixed to the name of a practitioner. It was no offence, he said, to say that one was a member of the College.

Mr. de Grey: Let me understand. Do you contend it is not an infringement of the section for using the expression on oath, "I'm a member of the College"?—Yes.

Mr. de Grey: You say the representation must be in writing or a ticketing attached to the premises?—Yes.

Mr. de Grey: I do not agree with that contention.

Mr. Wilkinson said his case was that the defendant did not use the expression, and that it was written by the Clerk of the Court in the note automatically, so to speak.

The defendant, giving evidence, said he never described himself as a member of the College.

Mr. de Grey said he had no reason to doubt the accuracy of the Clerk's notes, but he did not think the defendant had any wish to mislead the Court, and probably used the expression unintentionally. He simply required him to pay the costs of the summons.

Bankruptcy Report.

Re James Arthur Dawes White, 174 Kingsland Road, N.E., trading as a chemist.—The creditors met at the London Bankruptcy Court on May 4, before Mr. Egerton S. Grey, Official Receiver. The debtor, who commenced business twenty-nine years ago, states that his turnover has averaged 150% a year, and that his failure was caused by bad trade. The statement of affairs showed unsecured debts, 77*l.* 6*s.* 3*d.*; a fully secured debt, 262*l.* 10*s.* (security valued at 340*l.*); preferential claims, 21*l.* 17*s.* 8*d.*; and assets, 120*l.* 1*s.* 6*d.* In the absence of any offer, the case was left with the Official Receiver to be wound up in bankruptcy. The following are the principal trade creditors: Baiss Bros. & Stevenson, Ltd. (26*l.*); Martyn & Co., Strand, W.C. (17*l.*); Potter & Clarke, Ltd., Artillery Lane, E.C. (13*l.*); R. Skinner, Blackfriars Road, S.E. (10*l.*).

Deeds of Arrangement.

Howell, Frank Edwin, trading as Elliott & Howell, 20 Sidney Street, and residing at 100 Leader Road, Sheffield, Manufacturing Chemist.—Trustee, T. C. Parkin, 36 Bank Street, Sheffield, C.A. Dated April 20; filed April 26. Secured creditors, 3*l.*; liabilities unsecured, 293*l.*; estimated net assets, 180*l.* Among the creditors are Oldfield, Pattinson & Co., Manchester (17*l.*).

Martin, Alfred L., 57 Newtownards Road, Belfast, Druggist.—Trustee, H. M. Crawford, Arthur Street, Belfast. Dated May 1; filed May 3. Liabilities unsecured, 240*l.*; estimated net assets, 50*l.* Debtor arranges to pay to the trustee by instalments of 2*s.* per week a sum sufficient to pay a composition of 4*s.* 6*d.* in the pound and all costs and expenses. Among the debtors are: S. Gibson, Belfast (31*l.*); A. Saunderson & Co., Hull (12*l.* 5*s.*).

Gazette.

Partnerships Dissolved.

BOND, W. E., and THOMSON, A., Bramhall, Cheshire, surgeons, etc., under the style of Bond & Thomson.

THOMAS, H. H., and FARMAN, R. J., Brynhyfryd and Manselton, Swansea, physicians, etc., under the style of Thomas & Farman.

The Bankruptcy Acts, 1883 and 1890.

ADJUDICATION.

HOPE, PERCY LAKE, Brighton, medical practitioner.

Business Changes.

BOOTS, LTD., have opened a new branch at 38 Market Place, Dewsbury.

MR. T. SHARP, Victoria Pharmacy, Horley, has sold his business to Mr. A. B. Higgs, chemist and druggist.

MR. F. W. WRENCH, Ph.C., has recently purchased the business of Mr. E. H. Ridley, pharmacist, 5 Charminster Road, Bournemouth.

BOOTS CASH CHEMISTS, LTD., have taken premises at High Street, Wandsworth, which will be opened after the alterations are completed.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

MYDDLETONS, LTD. (P.C.).—Registered in Dublin. Capital 500*l*. Object: To carry on the business of dentists, dental mechanicians, etc. Alfred Myddleton is the managing director. R.O., 2 Carlisle Terrace, Crumlin Road, Belfast.

FINLAY'S MINERAL-WATER, LTD. (P.C.).—Registered in Dublin. Capital 1,000*l*. Object: To acquire the business of manufacturers of mineral-waters, cordials, and non-alcoholic beverages, etc., carried on by Wm. Jones as Finlay & Co. The first directors are W. Jones and A. Hackney. R.O., 42 Powerscroft Street, Belfast.

"DAN" PATENT CROWN CORK (FOREIGN) SYNDICATE, LTD. (P.C.).—Capital 1,500*l*. Objects: To acquire certain patents relating to metal capsules and apparatus for closing bottles, and to adopt an agreement with M. Lumley. The first directors are M. Lumley, C. W. V. Messerschmidt, O. de F. Skibsted, R. Lumley, C. B. Cole, H. Walker, and E. F. Slade.

"DAN" PATENT CROWN CORK SYNDICATE, LTD. (P.C.).—Capital 15,000*l*. Objects: To acquire, deal with, and turn to account certain patents for inventions relating to an improvement in metal capsules for bottles and the like, and apparatus for closing bottles and other receptacles by means of metal capsules, etc., and to adopt an agreement with M. Lumley. The first directors are M. Lumley, R. Lumley, C. B. Cole, H. Walker, and E. F. Slade.

HAROLD HEYDON & CO., LTD. (P.C.).—Capital 5,000*l*. Objects: To take over the business mentioned in an agreement with H. Good, and to carry on the business of manufacturers of and dealers in disinfectants, pharmaceutical, medicinal, and other preparations, inks, oils, colours, soap, etc. The first subscribers are: H. Good, Sugar House Lane, Stratford, manufacturing chemist, and W. B. Cowell, 107 Wellmeadow Road, Catford, S.E., chemist.

WILLIAM COOPER & SONS, LTD. (P.C.).—Capital 10,000*l*. Object: To carry on the business of shipowners, sand, gravel and coal merchants, mineral-water manufacturers, chemists, druggists, oil and colour men, etc. The first subscribers and directors are: J. H. Cooper, 53 Irwell Street, Widnes, shipping manager; Alfred Cooper, Widnes, clerk; Arthur Cooper, Widnes, mineral-water manufacturer; and T. A. Cooper, Ditton, near Widnes, coal-merchant.

LOFTHOUSE & SALTNER, LTD. (P.C.).—Capital 60,000*l*, in 10*l*. shares (3,000 preference). Objects: To carry on the business of manufacturers, packers, and compounders of proprietary medicines, medical and surgical drugs and spirits, analytical chemists and druggists, drug-grinders, etc., and to acquire the business carried on at 12 Market Place and 27, 28, 29, 31, 32, 35 and 36 Church Lane, Hull, by J. Saltner and J. W. Lofthouse as Lofthouse & Saltner, who are the first subscribers and permanent directors at a salary of 350*l*. each per annum, free of income-tax.

Company News.

WRIGHT, LAYMAN & UMNEY, LTD.—Notice is gazetted of a general meeting of the members of this company at 48 Southwark Street, London, S.E., on Tuesday, June 7, at 2 p.m., for the purpose of having an account laid before them showing the manner in which the winding-up has been conducted and the property of the company disposed of, and of hearing any explanation that may be given by the liquidator (James Knight). It will be remembered that this private company was changed to the public one—Wright, Layman & Umney (1909), Ltd.

GERMAN CHEMICAL DIVIDENDS.—The report of the Berlin Aniline Co., of Berlin, shows a net profit of m.3,275,339, against m.2,739,678 in 1908; it is proposed to pay a dividend of 18 per cent. on the present capital of m.14,000,000.—The United Colour and Chemical Works, Nieder Walluf, made a net profit of m.12,283, against m.36,640 in 1908, and are paying 8 per cent. against 7 per cent.—A new company has just been formed in Berlin under the style of the Oxygen Industry Co., with a capital of m.900,000. The company will acquire and work the patents of Professor Pictet, in connection with the production of oxygen and nitrogen.

Re THE SWANSEA OXALIC-ACID WORKS, LTD., Gorseinon, Glamorgan.—Under a compulsory winding-up order made recently against this company, a statement of affairs has been filed showing unsecured liabilities 2,612*l*. 19*s*. 4*d*., loans on debenture bonds 3,000*l*., and preferential claims 71*l*. 13*s*. 8*d*.. The assets, valued at 1,921*l*. 18*s*., are absorbed in the debenture-holders' claims, and consequently there will be nothing whatever with which to meet the remaining liabilities of 3,691*l*. 1*s*. 4*d*., or the claims of the shareholders. Among the principal unsecured creditors are: Blair Campbell, Govan (524*l*.); Doulton & Co., London (11*l*. 9*s*. 10*d*.); Millar, Dunns

& Co., Bradford (10*l*.); Pontardulais Chemical Co., Swansea (187*l*. 17*s*. 4*d*.); and Samuel Platt & Co., Ltd., Wednesbury (45*l*. 4*s*. 2*d*.).

Mortgages and Charges.

Under the Companies (Consolidation) Act, 1908, Sec. 93, the mortgages or charges therein specified are (except in Scotland) void against the liquidator and any creditor of the company unless filed with the Registrar in accordance with the conditions laid down in the Act. The following have so been filed and, except where otherwise stated, are charged on the company's undertaking and property, present and future, including uncalled capital.

Acme Bottle Manufacturing Co., Ltd.—Particulars of 15,000*l*. debentures, created February 16, of which 9,000*l*. is now issued.

Bowman's (Warrington), Ltd.—Debenture dated April 11, 1910, to secure any moneys for which the holder may become liable as guarantor, charged on the company's undertaking and property, present and future. Holder, H. Hatton, Market Place, Warrington.

Charles & Co., Ltd.—500*l*. debentures created April 4 and now issued.

Copaquire Copper Sulphate Co., Ltd.—Issue of 40*l*. debentures.

Dion, Ltd.—Particulars of 600*l*. debentures created April 6, and now issued.

Receiverships.

Anthony Dentists (Cardiff), Ltd.—R. H. Seel, of Theatre Royal Chambers, Cardiff, ceased to act as receiver or manager on March 30, 1910.

Cacogrwlle Wells Natural Mineral-water Co., Ltd.—P. S. Booth, 2 Bixteth Street, Liverpool, has been appointed receiver and manager.

Emmotland Chemical-works Co., Ltd.—A. N. Levendon, 4 Parliament Street, Hull, ceased to act as receiver or manager on April 12.

Births.

GOULDING.—At 88 Sylvan Avenue, Chitts Hill, London, N., on May 1, the wife of Ernest Goulding, D.Sc., Ph.C. (Imperial Institute Laboratory staff), of a son.

HARROLD.—At Brisbane Place, Forres, on April 30, the wife of W. M. Harrold, chemist, of a daughter.

KINGZETT.—At Elmsted, Brentwood, on May 2, the wife of Norman F. Kingzett, of a son.

Marriages.

BLACKBOURN—LAMBERT.—At St. John's Church, Altrincham, by the Rev. Canon Wainwright, on April 25, William Blackbourn, chemist, Eastbank, Southport, to Annie, eldest daughter of Mr. and Mrs. Lambert, Altrincham, Cheshire.

HIRST—DEAN.—At St. James' Church, Slaithwaite, on April 27, by Rev. H. H. Rose, M.A., Joseph Luther Hirst, Ashfield, Slaithwaite, near Huddersfield, manager for Messrs. Budden & Co., Liverpool, to Clara Gertrude, daughter of Dr. Edwin Dean, J.P., and Mrs. Dean, Lewisham House, Slaithwaite.

KERMODE—GELLING.—At Springfield Hall Wesleyan Church, Wandsworth Road, London, on April 26, John William Kermode, chemist and druggist, Castletown and Port Erin, Isle of Man, to Gertrude, daughter of Mr. Robert Gelling, Port St. Mary.

MYLAN—NEWSHOLME.—At St. Andrew's Church, Sharrow on April 27, by the Rev. W. J. Cole, M.A., W. F. M. Mylan, son of Dr. and Mrs. Mylan, Hanover Street, Sheffield, to Ethel, eldest daughter of Mr. and Mrs. G. T. W. Newsholme, Priory Road, Sheffield.

[The bride, who was given away by her father, wore a charming lace-trimmed Princess gown of pale apricot crepe de Chine, with kilted double skirt and a erinoline hat trimmed with pink and yellow roses. She was attended by her sisters the Misses May and Florence Newsholme, who were attired in white muslin Princess gowns with heliotrope and blue sash respectively, and black straw hats trimmed with the same colours.]

TROUP—ALLAN.—At 114 Lauriston Place, Edinburgh, on April 29, by the Rev. Charles McGregor, D.D., Lady Yester's, James Troup, pharmacist, Bainsford, Falkirk, to Nellie Donaldson, youngest daughter of the late John Allan, Edinburgh.

Deaths.

ADAMS.—The death is announced of Mr. William Adams, chemist and druggist, Dudley Road, Birmingham, who for many years managed Mr. Churchill's New Street business.

CLEASBY.—At Thorn Bank, 4 Cheltenham Crescent, Harrogate, on April 28, Mr. William Henry Cleasby, chemist and druggist, late of Hankow, China, aged thirty-three.

DAVIDSON.—In Rhodesia recently, of blackwater fever, Mr. John L. Davidson, aged thirty-two. Mr. Davidson served his apprenticeship as a chemist, and volunteered for active service in the Boer War, and was attached to the Edenburg Hospital. After the war he went in for mining, and latterly cattle rearing.

FERGUSON.—At The Brae, Glasgow Road, Perth, on April 28, Mr. John Ferguson, pharmacist, aged forty-two. Mr. Ferguson was at business as usual up till about a fortnight ago, when he became ill with scarlet fever. Complications supervened in an acute form, which terminated fatally. He served his apprenticeship with Mr. David Murdoch, Falkirk, thence he proceeded to Glasgow, where he was with Mr. Cockburn until he qualified in October 1888, then returned to manage a Cockburn shop in Greenock. In 1896 he proceeded to Perth, and began business in partnership with Mr. R. Hunter (now of Aberdeen). After three years Mr. Hunter retired, leaving Mr. Ferguson the sole partner, and for the past eleven years he carried on a most successful business. He was highly esteemed in Perth and district, and was unmarried.

ROBINSON.—At Tunbridge Wells, recently, Mr. Spencer Robinson, for a long period in business as a chemist in Church Street, Alfreton, Derbyshire, aged seventy-five.

YOUNG.—At Shanklin, Isle of Wight, on April 22, Mr. Herbert George Young, aged thirty-seven. Mr. Young was formerly in pharmacy, but had been laid aside for nine years through illness.

Recent Wills.

MR. JOHN FALLA SMITH, Sylvans Villa, Earlston, Berwickshire, retired chemist and druggist, who died on March 1, left personal estate valued at 2,360*l.* 6*s.* 5*d.*

MR. GEORGE FRANCIS MARRINER, High Street, Borstal, near Rochester, chemist and druggist, and ex-Lay Clerk of Rochester Cathedral, who died on March 25, left estate valued at 69*l.* 15*s.*

MR. DONALD CAMPBELL, Streatham, S.W., retired wax and oil merchant, founder of the firm of Messrs. Donald Campbell & Co., of 10 St. Mary Axe, E.C., who died on April 7, left estate of the gross value of 25,949*l.* 16*s.* 10*d.*, with net personalty 26,795*l.* 16*s.* 11*d.*

Trade Notes.

MESSRS. AYRTON, SAUNDERS & Co., LTD., 34 Halover Street, Liverpool, inform us that owing to the expansion of their trade in Manchester they have appointed two resident representatives: Mr. F. Ferrand, 63 Humphrey Street, Seymour Grove, Old Trafford, and Mr. D. Ferris, 65 Seven Street, Stretford.

"TETRADOME, LONDON," is the new telegraphic address of the British Drug Houses, Ltd., 22 to 30 Graham Street, City Road, London, N. Up to now the company have had to use four telegraphic addresses relating to the four constituent houses, and the new one seems to us one of those particularly happy words that only a business man and pharmacist can evolve.

SPIRITUOUS MEDICINAL PREPARATIONS.—The British Drug Houses, Ltd., inform us that in the event of any

reduction in the spirit duty being made retroactive it is their intention to make to their customers upon demand a rebate in respect to spirituous preparations purchased, corresponding to such rebate as they themselves may be allowed by the Customs and Excise.

MESSRS. BURROUGHS WELLCOME & Co. inform us that Paulhan, the aviator, on his 10,000*l.* aerial journey from London to Manchester on April 27 and 28, carried with him a B. W. & Co. First-Aid Aviator's Case, made of aluminium, and no larger than a small cigarette-case. His foresight was justified, for he had occasion to use the case. It has now been added to Messrs. Burroughs Wellcome & Co.'s historical collection, and will be exhibited at the Japan-British Exhibition.

"SECURITINE."—Some time ago we had the opportunity of making a few experiments with a non-inflammable liquid substitute for benzine and similar products used in dry cleaning. We found it to be what the makers claim for it—a good grease stain remover which would not ignite when a flame was applied to it. It is now being put on the market by the "Securitas" Non-inflammable Products Co., Ltd., 23 Australian Avenue, London, E.C. It is retailed in bottles, 3*d.*, 6*d.*, and 1*s.*

"REDIO" POLISHING CLOTHS are a novel idea in polishing metal surfaces. The cloths are imitation chamois saturated with polishing agents. The yellow cloth is for silver, and the green cloth for brass and similar surfaces. The metal is rubbed once with the cloth, then with a soft duster. We have tried both, and they do their work well. Messrs. Cresswell Brothers, 18 and 19 Red Lion Square, London, W.C., have been appointed "special wholesale distributing agents," and they quote yellow cloths, retail, 3*d.* each, 24*s.* per gross; green cloths, retail, 6*d.* each, 48*s.* per gross.

TOOGOOD'S LIST.—Messrs. William Toogood, Ltd., druggists' sundriesmen, 77 Southwark Street, London, S.E., have issued a new illustrated price-list, of which we have received an advance copy. The list measures 9½ by 7¼ in., consists of 166 pages, and has a neat green cover lettered in gold. The main part of the catalogue is devoted to druggists' sundries, the items being freely illustrated. Part 2 consists of toilet articles and perfumery packed under the name of Monpelas, Paris. Those chemists who have not received the list should address an inquiry to the company.

A NEW ERASMIC SOAP COMPETITION is now being widely advertised by the Erasmic Co., Ltd., Warrington. In it 300*l.* is offered in prize-money to the public for "Spotting the Beauty," and 100*l.*, as well as a liberal special bonus for window-displays, to retailers. Full particulars in regard to the window-display competition and supplies of coupons and window bills can be obtained from the company at the above address. We are informed by the company that a chemist with one shop will be at no disadvantage compared with those owning several shops, as each window-display will be judged on its merit.

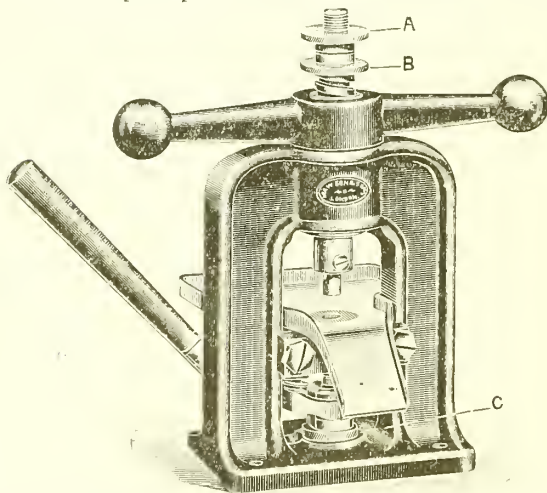
SANGERS' SHOW WEEK.—In addition to their display in the *annexe* at the Chemists' Exhibition, Messrs. Sangers will have their usual private exhibit at their premises at 258 Euston Road, London, N.W., during next week. A sponge show is to be a feature this year, while a huge display is to be given of toilet articles, especially tooth-brushes, hair-brushes, nail and shaving brushes, which are to be sold at job prices. Chemists will have an opportunity of seeing many novel hand-painted showcards and many types of adaptable show stands and extensions. "Eau-de-Cologne" and semicircular "Tri-shelf" stands (two make a circular stand), and the "Aidum" pinnacle are worth inspecting. Several second-hand showcases will also be on view. The above display is in addition to the ordinary show-rooms.

BRUSSON JEUNE BREAD.—Les Etablissements Brussion, Jeune, Bedford Chambers, Covent Garden, London, W.C., have sent for our inspection a box of the Brussion Jeune gluten bread, which is used as a food in the treatment of diabetes, obesity, gout, rheumatism, indigestion, and in all cases where the capacity for digesting ordinary starchy bread is defective. This bread meets the modern ideas of a diabetic food, viz., that the diet should contain as much

carbohydrates and proteid as can be assimilated, which is ascertained by frequent urine assays and weight tests. The bread is made in the form of rolls and put up in boxes of fifteen and sixty. For use the rolls are cut lengthwise and buttered. We may add that the extreme dryness (under 10 per cent. of moisture) of the Brusson Jenne bread and the method of packing make it suitable for chemists' trade, as there is no deterioration on keeping. It is obtainable through the principal wholesale houses.

CHEMISTS' EXHIBITION.—A number of firms who are showing at this exhibition are announcing the fact in this issue with a memorandum of the goods that will be shown and the number of the stall. Particulars of the Exhibition—times of opening, etc.—are given in a special advertisement, and readers should also refer to the announcements of the following firms: AERATORS, LTD., Upper Edmonton; H. BRONNLEY & Co., LTD., Acton; ARTHUR H. COX & Co., LTD., Brighton; EDWARDS' HARLENE Co., 95 and 96 High Holborn W.C.; EUCRYL, LTD., Hull; EVANS SONS LESCHER & WEBB LTD., Liverpool and London; EXPRESS DEVELOPING Co., 86 High Street, Whitechapel, E.C.; THE HUTCHINSON Co., 70 Basinghall Street, London, E.C.; S. MAW, SON & SONS, Aldersgate Street, London, E.C.; THE NATIONAL CASH REGISTER Co., LTD., 225 Tottenham Court Road, London, W.C.; O'NEILL, ZETTS & Co., 182 Stroud Green Road, London, N.; OWEERIDGE'S, LTD., Hull; PAINE & Co., LTD., St. Neots; PAPIER POUDRÉ, LTD.; THE "SECURITAS" NON-INFLAMMABLE PRODUCTS Co., LTD., 23 Australian Avenue, London, E.C.; SOUTHALL BROS. & BARCLAY, LTD., Birmingham; F. J. STOKES MACHINE Co. (Thompson & Capper, Manchester); A. WANDER, LTD., 1 and 3 Leonard Street, London, E.C.; VINCENT WOOD, 4 Albion Place, London, S.E.; and ZOTOS, LTD., 32 and 34 Theobald's Road, London, W.C.

MAW'S PRESCRIPTION-TABLET MACHINE.—Our illustration shows a new tablet machine, designed by Mr. J. Buckley and made by Messrs. S. Maw, Son & Sons, 7-12 Aldersgate Street, London, E.C., which combines utility and simplicity with strength and cheapness, the price being 30s. complete, with one set of dies and punches. The compressor resembles in miniature a machine-punch, and works on a similar principle. The double-balled arm works the



compression plunger by a screw rotary movement, which is regulated by the compression nut B. The milled screw C controls the weight of the tablet, and when the desired pressure has been applied to the tablet, and the compression nut B screwed down, the latter is locked by the locking-nut A, which then ensures the same compression and the same thickness for each tablet of the same material. The finished tablet is ejected by the lever. Several other novel features are embodied in the machine. The platform and shoot are in one piece of heavily plated metal, which is quickly removed for cleaning by unscrewing the single nut which holds it firmly in position. The die is almost surrounded by a heavy metal holder, which is clamped in position by two strong screws. Plungers and dies are readily removed and changed. The machine is quick in

operation, and we made beautiful tablets with it at the first trial. Extra sets of dies in stock sizes cost 5s. per set, but any size can be made to order, and with monograms if desired. It will be exhibited at the Chemists' Exhibition next week. A small oven for drying granulated preparations and salts over a spirit-lamp or Bunsen burner is also obtainable for 5s. 6d.

Personalities.

Notes for this section must not be in the nature of advertisements, and they should be authenticated when sent to the Editor.

MR. H. SHANKSTER, Ph.C., has passed the Intermediate examination of the Institute of Chemistry.

MR. F. HARWOOD LESCHER, Ph.C., F.C.S., has been elected a manager of the London Institution, Finsbury Circus.

MR. A. H. BARLOW, Ph.C., managing director of Benger's Food, Ltd., is now on a business visit to the United States and Canada.

MR. F. JACKS, chemist and druggist, High Street, Stone, Staffs, has been appointed a member of the local Education Committee.

MR. WM. ROSS, chemical manufacturer, Manchester, has been appointed a Justice of the Peace for the Borough of Blackpool, where he resides.

MR. JOHN C. UMNEY, F.C.S., is still too ill to be able to open the Chemists' Exhibition next week, but Mrs. Umney will perform the ceremony.

MR. F. M. FISK, European manager for Messrs. Parke, Davis & Co., sails for New York on Saturday, May 7, on a visit to the home office of the firm in Detroit.

MR. G. F. MORRELL, B.Sc., Ph.C., and Mr. Sydney Smith, Ph.C., have passed the Final examination for the Associateship of the Institute of Chemistry.

MR. GEORGE T. GALE, Ph.C., has been appointed managing director for Messrs. A. Wander, Ltd., manufacturing chemists, 1 and 3 Leonard Street, City Road, London, E.C.

MR. WILLIAM BEVAN, P.G.Sd.B. Essex, Ph.C., of Harwich and Colchester, was installed as W.M. of St. Nicholas Lodge No. 413, Mark Masonry, at the Masonic Hall, Harwich, on Thursday, April 28.

MR. JAMES MCKENZIE, of The Dispensary, Singapore, arrived in London on Friday, April 29, and has gone north to Kilmarnock, N.B., where he will spend the summer months with Mrs. McKenzie and his family.

MR. JOHN WM. PORTER, chemist and druggist, has been elected chairman of the Coleford (Glos.) Urban District Council. Mr. Porter, who entered the Council six years ago, thus becomes Justice of the Peace for the county *ex-officio*.

MR. VIVIAN HATRICK, of Messrs. J. L. Hatrick & Co. Ltd., 70 St. John Street, E.C., and Mrs. Hatrick sail by the *Lusitania* on Saturday, May 7, for a trip in the United States. Mr. J. H. Zeal, of Turnmill Street, also goes by the same steamer.

MR. J. C. PENTNEY, 93 Queen's Road, Dalston, is secretary of the Hackney "Passive Resisters," and together with several of his colleagues on the Borough Council appeared last week before the Hackney magistrates, where the usual "order" was made.

THE ELECTION ADDRESSES of the following candidates for the Council of the Pharmaceutical Society of Great Britain will be found in the Coloured Supplement: Mr. F. F. Bilson (Bournemouth), Messrs. Dowty and Waldro (N.U.A.P. candidates), Mr. R. Lord Gifford (Blackburn), Mr. P. F. Rowsell (Exeter), and Mr. F. Pilkington Sargeant (Leeds).

MR. H. H. ROBINS, Ph.C., F.C.S., of Messrs. Chas. Southwell & Co., Ltd., Dockhead, London, S.E., lectured at the Municipal College, Portsmouth, on April 26, on "Jam, Fruit Jellies, and Marmalades," this being one of a series of technical lectures given under the auspices of a local joint committee of master and assistant grocers.

MR. J. W. SAMPSON, Ph.C., Cleveland Place, Bath, who is leaving to take up a position in London, was on Tuesday evening, May 3, presented with a handsome

walking stick and pipe by the members of the Larkhall Horticultural Society, of which he has been president, and Mrs. Sampson was presented with a hand-bag.

MR. H. WASHINGTON GREEN, of 35 Gateley Road, Brixton, S.W., one of the diminishing band of lithographic artists, has recently produced autograph portraits of three noted chemists—Sir William Ramsay, F.R.S., Sir Boverton Redwood, and Sir William A. Tilden, F.R.S. They measure 24 by 18 in., and are excellent likenesses. Mr. Green is engaged on similar portraits of Dr. H. E. Armstrong, F.R.S., and Professor Raphael Meldola, F.R.S. He publishes them for private circulation, and has a limited number to dispose of.

MR. A. R. DAVIES, chemist and druggist, Great Yarmouth, was entertained to dinner on April 28, on the occasion of his leaving the town for North Wales. The chair was occupied by Councillor J. Bloomfield, and among those present were the Mayor, Mr. R. R. Hill (President of the Great Yarmouth Pharmaceutical Association), Mr. T. B. Male, Mr. T. S. Shearman, Mr. Harvey Palmer, Mr. T. J. Woodcock, Mr. H. E. Goddard, and Mr. A. E. Richmond. During the evening Mr. Davies was presented with a silver cigarette-case and match-box.

MR. SIGISMUND KUTNOW, of Kutnow's powder, and chairman of the Eureka Clock Co., was some time ago received by King Edward VII. at Buckingham Palace, when he showed his Majesty one of the clocks which are actuated by an electric current, and are notable for their comparative absence of wheels; in fact, the clocks consist of but five parts. Mr. Kutnow has now taken an order from his Majesty for one of the clocks. This was at Biarritz, where, by command, he had an audience with the King. While in Biarritz Mr. Kutnow sold 180 of the clocks to the Carlton Hotel there.

ALDERMAN JOSEPH BEECHAM, of St. Helens, and his son, Mr. Harry Beecham, returned from the United States last week. During his visit, Alderman Beecham purchased a new factory and its site for \$109,750, in Classon Avenue, Brooklyn, which is being equipped in up-to-date style. A two-column interview with the Alderman was printed in the "St. Helens Newspaper and Advertiser" of April 29. In the course of this he stated that he started manufacturing the pills in New York in 1890, and now their output for the United States is approaching six million boxes a year, while in St. Helens 400,000,000 pills are made annually. The business all round is in a prosperous state.

Poisoning Cases.

EIGHT fatalities have been recorded from poisoning since our last issue.

Acetic acid poisoning caused the death of a four-months-old child named John Peter Shorey at Battersea. An old glass mustard-pot containing traces of acetic acid was found in the bed on which the child had been lying. Dr. Laird deposed at the inquest that death was due to shock from the action of a strong irritant. Reactions for acetic acid had been obtained from the contents of the stomach, but the characteristic odour of the acid was wanting. The inquest was adjourned.

Corrosive Poisoning.—George Davis poisoned himself near Okehampton by taking Berg's gape cure. At the inquest Dr. Young said death was due to a strong corrosive poison, probably carbolic acid. Mr. A. E. Berg, chemist, Hatherleigh, said he was the patentee of Berg's gape cure, of which a considerable quantity was sold. It was put up in 3-oz. bottles, and labelled "poison." He should not have considered the quantity was sufficient to kill a man. He did not remember having sold a bottle to deceased, but it might have been obtained from an agent. The jury returned a verdict of "Suicide whilst in an unsound state of mind."

Oxalic Acid.—At West Derby, Liverpool, Margaret Salisbury (23), wife of a farm labourer. It was stated that there were domestic differences, and Mrs. Salisbury went to the pharmacy of Mr. R. S. Carrie, chemist and druggist, West Derby Road, and asked for something to counteract the ill-effects which, she said, she felt in consequence of being poisoned by "eating pies." She collapsed in the shop, and it was afterwards discovered that she had taken a dose of oxalic acid. At the inquest a verdict of "Suicide while temporarily insane" was returned.

Prussic Acid.—At Newmarket on April 30 an inquest was held regarding the death of Fred Waters, a motor-car driver,

who was found dying in a cab a day or two before. The jury found that death was due to poisoning by prussic acid.—Prussic acid poisoning also caused the death of Frank D. Langfield at Manchester. A verdict of suicide was returned at the inquest.

Salt of Lemon was taken with suicidal intent by Mabel Lucy Evans (30), general servant, at Brixworth.

Spirit of Salt was the agent used for self-destruction by Walter Parrott (46) at Marylebone, London, W. At an inquest held in Southwark by Dr. Waldo on May 5, it was found that Florence Sanderson (23) committed suicide by taking spirit of salt. Mr. William H. Molden, 52 Maxey Road, Plumstead, who sold the acid to the woman, said he was a chemist, but was not registered. In returning their verdict the jury added a rider that only qualified and registered chemists should be allowed to sell such poisons. This the Coroner heartily agreed with.

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 obtainable at Money Order Offices for £1 and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(From the "Trade-marks Journal," April 13, 1910.)

"CIOLA"; for perfumery, etc. (48). By F. Schutze & Co., Black Bull Works, Caledonian Market, London, N. 320,257.

"SANAXOM," and picture of applicant's head; for perfumery, etc. (48). By Mary S. Johnson, 65 Trinity Street, London, S.E. 320,503.

Label device of two birds; for theatrical make-ups (48). By M. Bird, 8 Lower Marsh, Lambeth, London, S.E. 320,563.

"NATURAL BOUQUET," and bunch of flowers; for toilet-soap (48). By John Knight, Ltd., Silvertown, London, E. 320,772.

"SELS AROMATIQUES MORNÉ POUR LE BAIN," and label device"; for a toilet-preparation (48). By Morné Frères, 201 Regent Street, London, W. 321,227.

"SECURITINE"; for all goods (47) and (48). By "Securitas" Non-Inflammable Products Co., Ltd., 23A Australian Avenue, London, E.C. 321,694/5.

(From the "Trade-marks Journal," April 20, 1910.)

"LEUKOTROPE"; for all goods (1). By Badische Co., Ltd., 2 Samuel Ogden Street, Manchester. 321,640.

"FORMAQUETTE"; for chemicals (2). By A. Morrison, Glenarbuch, Bowling, Dumbartonshire. 321,329.

"PHOSPHOPINAL"; for medicinal preparations (3). By F. Juin, 60 Rue Caumartin, Paris. 313,997.

"DIGITALYSATUM"; for a medicinal preparation (3). By A. Brömel, 2 Beekstrasse, Duisburg. 318,591.

"SUSAMA," and photograph with signature; for perfumed medicated hair-oil (3). By P. Sett & Co., 13 Ram Narain Bhuttachargée Lane, Calcutta. 319,610.

"KEFYROGEN"; for a Kefyr preparation (3). By A. Rosenberger, Arconaplatz 5, Berlin. 320,390.

"CORONAL," "HYPOPHYSINE," and "PITUITARINE"; for medicinal chemicals (3). By Meister, Lucius & Brünig, Hoechst a/Main. 320,564, 321,726/7.

"HIELEYKON"; for an ointment (3). By W. T. Chatfield, Apedale View, Heathcote Road, Bignall End, Staffs. 320,678.

"HILL'S 'HOLLY' CORN, WART, AND BENJON CURE," and device of holly-leaves; for a medicine (3). By Emily Hill, 12 Queen's Road, Beckenham. 320,789.

"RUBISAN"; for a medicated capsule (3). By Budden & Co., Ltd., 26 London Road, Liverpool. 320,926.

"BAILEY'S MATLOCK CRYSTOLETTES"; for a medicine (3). By Bailey & Co., Central Buildings, Smedley Street, Matlock. 321,582.

"ALADDIN"; for medicinal chemicals (3). By H. T. Forshaw, J. T. Baker, and H. A. Turrill, 33 Lisson Grove, London, N.W. 321,229.

"APEXES"; for bottle filling, washing, etc., machines (6). By Crown Cork Co., Ltd., 71-81 Paul Street, London, E.C. 321,175.

"CELSUS"; for photographic apparatus (8). By W. Dockree, 227 Vicarage Road, Leyton, Essex. 321,132.

The Brussels Exhibition.

A WALK through the International Exhibition at Brussels last Saturday convinced a C. & D. representative that it is a good place to stay away from for a month to come. The Exhibition is still in that incomplete state characteristic of the modern World's Fair on the morrow of its formal inauguration. There is, however, an occasional oasis in the wilderness of packing-cases, unmasked skeletons of deal and plaster, and notices of "No thoroughfare." Among these is the British Section. In actual floor-space this is only exceeded by the French, German, and Belgian exhibits. This is the first Brussels Exhibition in which Great Britain has officially participated, and the work of organisation has been done well by the officers appointed by the Board of Trade (among them Mr. Wintour and Mr. Churchward), all of whom worked like Trojans to have the British Courts complete when the King and Queen of the Belgians walked through on the opening day. The photograph of the Court reproduced in the C. & D., April 23, p. 660, is evidence of their success. The symmetry and *tout ensemble* of the lofty white-pillared hall presents a pleasing contrast to the motley array of stands—of every form, size, and decoration—which has hitherto been associated with the British Section of an International Exhibition. All is not ready, but the

CHEMICAL AND PHARMACEUTICAL EXHIBITS

will have received their finishing touches ere these lines are published. The show is fairly representative, including the United Alkali Co., the British Cyanide Co., Price's Candle Co., Ilford, Ltd., Brunner, Mond & Co., the Scottish Mineral Oil Association, the British Drug Houses, Ltd., Stafford Allen & Co., Burroughs Wellcome & Co., W. J. Bush & Co., Ltd., W. Martindale, Wright, Layman & Umney, Ltd., Morson & Sons, T. Tyrer & Co., Ltd., T. & H. Smith, Ltd., Brady & Martin, Ltd., Johnson & Sons, Cleavers, Jeyes, and other well-known firms. In one large general case is a special exhibit illustrating the work of the Wellcome Chemical Research Laboratories. The Gas Light and Coke Co. make a picturesque show of by-products. Optical and scientific instruments are represented by several firms, and photographic sundries are also well to the fore. The exhibit of Erasmic soaps and perfumes deserves special notice. This firm has secured an exceptional site in the vestibule which separates the French and English exhibits, and its elegant white stand is as artistic as it is conspicuous. Among the pavilions in the Street of Nations (a picturesque medley of restaurants and places of refreshment) may be noticed Liebig's neat pavilion, with its trophy of oxen upholding the well-known jar, and the Bovril establishment, where a shilling tea and other light repasts are offered to the weary Briton.

THE FOREIGN EXHIBITS,

as a rule, are in such a disgracefully unprepared state that little or no notice is possible. Germany is the one brilliant exception. Her huge pavilion is tenanted, swept, and garnished; only an occasional corner betrays that it has been open but a few days. The small Swiss exhibit is also practically finished. Here the mountain sanatoria and tourist business generally are served by a handy little inquiry office, while Nestlé's well-known group of the young mother by her cradle is placed in a conspicuous position. In all France's vast halls the only pharmaceutical exhibit we could descry was a case of toothbrushes! The Dutch pavilion (about as large as the English exhibit) was barred to the public. Briefly, the Whitsun holiday-maker who cannot confine himself to a finished German and a half-finished British show had better postpone his visit to the Brussels Exhibition until the later summer holidays.

"PHARMACEUTICAL FORMULAS" is THE CHEMIST AND DRUGGIST's book of useful recipes for the drug-trade, published at 10s., by post 10s. 6d. It may be obtained from most wholesale houses at the published price. The Seventh Edition contains over 1,050 pages. A recent purchaser (153/66) says: "The recipes for shaving-soap are alone worth 10s., without the rest."



Postal Address:

C & D. INFORMATION DEPARTMENT 42 Cannon Street, London, E.C.

Telegraphic Address: "CHEMICUS LONDON."

Telephone No.: BANK 852 (two lines).

The object of this Department is to supply names and addresses of Manufacturers of, or Agents for, goods pertaining to the Chemical, Drug and Allied Trades. The "Buyers' Guide" in each issue of "The Chemist and Druggist" affords much information, but enquiries for anything not referred to therein may be addressed to this Department. Replies will be furnished immediately, or inserted in this section free of charge.

- 154/17. "Vibertos Filters": where obtainable?
- 150/27. "Tussieura" (Golef): who makes or supplies?
- 155/16. "Narrosine," an asthma-remedy: where obtainable?
- 154/9. What is "Aquarine Food" and where can it be obtained?
- 156/45. "Tina Tonique Wine": who makes or where obtainable?
- 159/27A. "Dr. Prosser's Sanitary Soap-stand": who makes or supplies?
- 153/66. Makers or suppliers of "Pinol Hair-wash" and "Chick-Chick" chewing-gum.
- 157/68. Makers or suppliers of Buchanan's "Glycerite of Ozone" and "Glycerite of Keppalium."
- 160/61. "Thelmia" (for neurasthenia), and "Colax"; where obtainable?

INFORMATION SUPPLIED.

During the past week we have answered enquiries regarding the following articles. The information will be repeated to any other enquirers who send to the Department a stamped and addressed envelope for the purpose.

- | | |
|--|---|
| "Anidol," supply (158/6). | Indiarubber bands, makers (152/12). |
| Ash's dental goods, address of makers (153/12). | "Javol," wholesale supply (157/37). |
| Brou's Injection, agents (157/37). | "Klim," makers (158/2). |
| Cascin rolling-cream, supply (153/21). | Lasson's Elixir for the hair, supply (155/72). |
| Chewing-gum, makers (151/71). | Linen bags (1 lb. and 2 lb.) for bird-seed, supply (153/42). |
| Collapsible tubes, makers (159/12). | Lung Spanda, makers (153/65). |
| Collapsibles hamamelidis, makers (154/10). | Machines for measuring small quantities of powder, makers (150/17). |
| "Comedone Expressors," wholesale supply (155/33). | "Nurse Cherry" feeders, makers (155/4). |
| Dental-instruments, suppliers (157/41). | "Plasmul," makers (153/62). |
| "Divinia," perfume, makers (157/37). | "Protection" gloves (surgical), makers (152/9). |
| "8" brand indiarubber bands, makers (154/64). | Sprinkler corks, makers (159/12). |
| Egg-yolk powder, supply (152/66). | Tetlow's toilet-powder, supply (153/40). |
| "Euphyllin," makers (158/6). | "Vestisol," maker (150/10). |
| "Eureka" tablet-machine, makers and agents (157/65). | Warren Capsule Co.'s goods, London supply (155/35 and 156/60). |
| Heald's Mange Specific, makers (157/37). | Wood alcohol, wholesale supply (154/22). |
| Impression plates (dental), supply (157/41). | |

UCAL, LTD., are holding an exhibition of the company's specialities at Caxton Hall, Victoria Street, Westminster, S.W., on May 11 and 12.

LORD ST. ALDWYN'S REPORT on his inquiry, on behalf of the Board of Trade, in regard to the rates proposed to be levied by the Port of London Authority, has been published this week by his Majesty's Stationery Office.

NEW CALEDONIAN SANDALWOOD.—The quantity exported during 1909 amounted to 164 tons, valued at 3,379l., but the greater portion came from the New Hebrides, Santo, and other islands. The New Caledonian sandalwood is very poor and like matchwood, no large pieces being obtainable.

LEEDS CHEMISTS' ASSOCIATION.—A meeting was held in the Grand Restaurant, Leeds, on Wednesday, May 4, Mr. Pilkington Sargeant (President) in the chair. A discussion took place on early closing, when it was decided to form small committees to consult the trade in different districts with a view of agreeing among themselves to have shorter hours. The use of proper bottles for liniments containing poisons was considered, and it was thought that the chemist should exchange the bottles brought if not suitable. Mr. Beacock made a strong appeal to the members to support Mr. Sargeant in the Pharmaceutical Council election.

Observations and Reflections.

By Xrayser II.

The Enormous Importance of the Cod-fishery,

of which the interesting article in last week's *C. & D.* is a reminder, makes it difficult to realise the fact that less than seventy years have elapsed since the oil was first used in this country as a remedy for consumption. Formerly it was classed as "train oil." In 1783 Dr. T. Percival, writing in the "London Medical Journal," recommended it in cases of chronic rheumatism, for which he said it had been used with good effect in the neighbourhood of Manchester, but it was not taken up to any extent. Its first introduction into medical practice in phthisis was on the Continent in 1825, but it gained no footing in England until late in the 'forties. It is curious that in France the powder of cod's teeth was officially used as a remedy for spitting of blood a century before the value of the oil was suspected. The dose was from 15 to 30 grains.

P.A.T.A. Profits

threaten to be a coming question. Evidently there are pharmacists who are not satisfied with the 9 to 33½ per cent. which is now quite common; they are fighting for the flesh-pots of that Egypt in which they used to think themselves uncommonly lucky if they could buy 9½d. patent for less than 9¼d. It does not seem so very long since the days when profit-slaughtering was the general rule, and I well remember the delirious excitement when Mr. Glyn-Jones propounded his scheme by which pilling articles might bear a profit of 2d., or even 3d. Some of the younger men have possibly no recollection of these days, but I would strongly advise all concerned to let sleeping dogs lie. Some of the P.A.T.A. lines yield a handsome profit, even a good old-fashioned chemist's profit, and it would only be a temptation of Providence to try to bring all the others to the same level. I believe Mr. Cooper is quite right when he says that "the P.A.T.A. does not get the support it deserves." Let him indoctrinate his fellow pharmacists with this idea rather than advise them to run the risk of overdoing the question of profits.

Dispensing and Substitution.

In a recent issue of "Printers' Ink," Mr. Thomas Russell, the well-known advertising expert, deals with the great development of large-space advertising in the daily Press, particularly by the big drug companies. These advertisers, having captured the proprietary business, are now out for the prescription trade, says Mr. Russell. On what grounds I am at a loss to say, for most of the page advertisements I have seen relate to fancy goods, those about high-class pharmacy being almost as rare as a blue moon. Anyway, Mr. Russell is wrong if he thinks that companies want dispensing at the prices they charge for it. It does not pay them. Mr. Russell also talks a lot, like all advertising experts, about substitution, and says that "no trade has such an amount of substitution in it as the chemist's." I don't believe it, and I speak from experience of the business at both sides of the counter.

The Adoption of the B.P. as a Standard

would entail one inconvenience which I do not remember to have seen mentioned: the standard would be liable to alteration every dozen years or so. Every pharmacist knows how difficult it is for some time after a new edition of the Phar-

macopœia has been issued to decide which form of any given preparation is meant in a new prescription; and this difficulty would then be indefinitely multiplied, for the general public is even more conservative than the medical profession, and once people have got used to a particular medicine any change in its character is apt to be resented. The historic case of milk of sulphur may be cited in proof of this. If the Sale of Food and Drugs Acts were administered as unintelligently in the future as they have been in the past the trouble would be endless. It has actually happened that a too conscientious chemist has been prosecuted for supplying precipitated sulphur when milk of sulphur was asked for! But the point raised in the discussion at Edinburgh seems to me to tell strongly in favour of some authoritative universal standard, and not against it. It was once my fortune to take over a business in a neighbourhood in which all chemists sold laudanum of half the official strength. To have raised the strength of mine all at once would have been to poison more of my customers than I could afford to lose; and, although I did raise it gradually, this was not done without some risk and a good deal of anxiety as to the result. I had hoped that the practice of selling such preparations as laudanum and paregoric under strength was a thing of the past; if it is not, almost any standard ought to be welcomed that would put an end to it.

The Early History of Asafetida

is perhaps as obscure as that of any drug, and upon the question of its source or sources more light is still desired. This, it may be hoped, will be supplied in the next edition of the British Pharmacopœia. The name "asafetida" is a compound of *asa* (a Latinised form of the Persian *azā*=mastic) and *fatida*, and its first element indicates the original geographical source of the drug. Mediaeval writers regarded asafetida as a species of laser (*asar lazarus*, as it was sometimes called), derived from a plant allied to or the same as Pliny's *laserpitium* of Cyrene, the *silphion Cyrenaicum* of Dioscorides. Dodoens, his English translator Lyte, and the later Gerard all adopt this view, though they distinguish between the properties of the two. *Laser Cyrenaicum* was known as *asa odorata*, and Lyte warns his readers that it is not the same thing as *asa dulcis* (benzoin), as some have supposed. Sir Thomas Herbert, in his "Travels in Asia" (1626), gives an interesting description of asafetida, the best sort of which, he says, is got from the country between Lar and Bandar, on the Persian Gulf: "The Tree which produces it exceeds not the Briar in height, but the leaves resemble those of Roses, and the Root the Radish; the smell is offensive, but the taste is so good that the Natives, who are accustomed to it, like no meat nor sauces without it." Tastes proverbially differ, De Mandelslo ("Voyages and Travels," 1628-40) gives a somewhat different report, which may be thus condensed: Most of our asafetida comes from Persia, but the best from the Indies. "There are two kinds of this plant; one grows like a shrub with small leaves, like Rice, the other has leaves as big as those of Turnips and in colour resembling Fig-Tree leaves. It grows commonly in Sandy and Stoney Ground." The natives, he adds, are such admirers of its scent that they use it in sauces, and rub their eating and drinking vessels with it. Although most of our medical writers inveigh against its nastiness, it is a fact that the smell of asafetida was held to be not the least part of its virtue as an antihysterical, and the leaves of the stinking orache were for the same reason used for that purpose. Both in England and in Germany its smell suggested that name for the drug which Carlyle adapted for the "patronymic appellation" of the famous Professor of Things in General in the University of Weissnichtwo.



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RICARB. SODA Finest	15/cwt.	FULLER'S EARTH (In Dredgers)	1/12 & 1/6

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LIQUORS

Editorial Articles.

Wholesale Dealings in Poisons.

We report this week two cases taken under Section 17 of the Pharmacy Act, 1868 (in both cases by public authorities), which should be carefully considered by all vendors of poisons. Whatever doubt there may be as to what constitutes a wholesale quantity or a wholesale transaction, the Section is perfectly clear as to the fact that the conditions required to be observed in selling Part I. poisons are suspended only

(1) When the poisons are exported from Great Britain by wholesale dealers;

(2) When they are sold by wholesale to retail dealers in the ordinary course of wholesale dealing;

(3) When they are a medicine supplied by a legally qualified apothecary to his patient;

(4) When they are a medicine dispensed by a registered chemist or by a legally qualified medical practitioner.

We particularly call attention to the second of these; it narrows the exemption considerably, especially if "retail dealers" should be confined to the four corners of the Act. The remarks in Mr. Glyn-Jones's book cited in the Otley case (p. 693) give a liberal interpretation of the provision, beyond which it is not necessary to go, although something might be said for the more stringent interpretation that restricts "retail dealers" to those alone who are covered by the Acts. In one of the cases the vendor is not a registered chemist, and his conviction implies that he is a retail dealer, so that further comment upon that case is not at this stage permissible, except to point out generally that the retailing of Part I. poisons by post is of doubtful legality. The Arsenic Act requires the purchaser of arsenic to sign the entry of the sale in the book kept for the purpose, while the Pharmacy Act requires the signature of the purchaser to be affixed to the entry in the book. This distinction has been in practice interpreted to mean that a retailer of a poison mentioned in Part I. of the Schedule (but not arsenic) may receive by post an order from a customer whom he knows and whose signature he knows, and, having executed the order, he may affix the written order with signature to the entry in the book. Such a transaction is probably legal, but the same form gone through in respect to a person unknown to the seller is illegal.

Annual Value of Licensed Premises						Duty
						£ s. d.
Not exceeding 10 <i>l.</i>	...	...	...	...	...	10 0 0
Exceeding 10 <i>l.</i> and not exceeding 20 <i>l.</i>	...	...	...	...	...	11 10 0
" 20 <i>l.</i>	"	"	30 <i>l.</i>	...	...	14 0 0
" 30 <i>l.</i>	"	"	50 <i>l.</i>	...	...	15 0 0
" 50 <i>l.</i>	"	"	75 <i>l.</i>	...	...	16 0 0
" 75 <i>l.</i>	"	"	100 <i>l.</i>	...	...	17 10 0
" 100 <i>l.</i>	"	"	250 <i>l.</i>	...	...	19 0 0
" 250 <i>l.</i>	"	"	500 <i>l.</i>	...	...	30 0 0
" 500 <i>l.</i>	...	...	...	...	...	50 0 0

premises, which to most wholesale houses in London means a tax of 50*l.* a year, instead of the three guineas hitherto paid. Little attention was given to the matter last year, except by Scots wholesalers, but the full significance of the tax may now be more generally realised. Nevertheless, the time is opportune for doing something by united action, either through some existing organisation or by a specially convened meeting of the trade, to get all the facts together and prepare them for presentation to the Chancellor of the Exchequer for consideration on his next Budget. The need for reconsideration of the whole principle upon which spirits are used in medicine has become clamant. The 1742-3 Act definitely freed spirits or spirituous liquors used in the preparation of medicines from licensing provisions, and periodically since the interpretation of "medicines" has been narrowed down, so that licences are required for the sale of certain medicinal or invalid's preparations which are used by "sick, lame and distempered persons only." The sale of these is comparatively limited; indeed, the gross profit on all of them sold by any wholesale drug or proprietary-medicine house in the course of a year cannot amount to 50*l.*, yet 65*l.* 15*s.* is the amount of licence-duty that will henceforth be required if these articles are to be obtainable through the ordinary trade channels. This is surely a case for the Chancellor's consideration.

"Boots" in the North.

THE purchase by Sir Jesse Boot on behalf of his company interests of the shops of Inman's Stores, Ltd., which we were able to announce last week, is an event of more than passing interest to the drug-trade in Great Britain, as it gives Boots Cash Chemists, Ltd., a footing in the North of England and East of Scotland—districts which they have not hitherto invaded. The purchase includes Inman's branches in Northumberland Street, Clayton Street, and Shields Road, Newcastle-on-Tyne, in Whitley Bay and in Blythe, as well as branches in Shandwick Place, South Clerk Street, Leith Street, and Earl Grey Street, Edinburgh, Kirkgate, Leith, and High Street, Kirkcaldy. The Newcastle business was founded thirty years ago by the late Mr. James H. Inman at 40 New Bridge Street there, whence it was removed in 1888 to 48 Northumberland Street. The business has since been extended to the branches indicated. These represent the principal element in company drug-store trading in Newcastle and Northumberland. The business in Scotland was started in Edinburgh by Mr. William Inman, a brother of Mr. J. H. Inman, who in 1885 opened the shop in Leith Street and commenced cutting prices. His advent was the prelude to the disappearance of the Edinburgh Chemists' Price-list, which had controlled dispensing and other charges for more than a generation in Edinburgh. In 1900, when Mr. J. H. Inman died, Mr. William Inman purchased the businesses in the North of England, and since then they have been carried on under his management. The following are official particulars of the company:

INMAN'S STORES, LTD., 15 Shandwick Place, Edinburgh. Secretary, Hector Mackenzie. Registered December 24, 1895, to carry on the business of chemists, druggists, dry-salters, oil and colourmen, &c. Directors: William Inman, 11 Newbattle Terrace, Edinburgh; A. B. McRither, 16 Forbes Road, Edinburgh; John Voltie, 18 Hillside Crescent, Edinburgh; G. Radford, 2 James Place, Leith; W. T. Bell, 14 Lauriston Gardens, Edinburgh; Fred Willans, 3 Gosforth Villas, Gosforth, Newcastle-on-Tyne. Remuneration, as fixed at general meeting. Qualification, 100*l.* Last return dated November 22, 1909, gives nominal capital as 25,000*l.*, in 1,000 founders', 14,000 ordinary, and 10,000 preferred shares of 1*l.* each; 1,000 founders', 10,400 ordinary, and 9,000 preferred shares taken up. 20,400*l.* paid in cash. There are no mort-

gages or charges requiring registration. There are about fifty shareholders, among whom are:—

	Founders'	Ord.	Pref.
William Inman ...	1,000	6,270	1,705
Emma Inman ...	—	2,000	—
M. W. Inman ...	—	—	2,930
Thomas Kirkpatrick ...	—	—	500
J. P. St. Clair ...	—	—	450
W. S. Bell ...	—	—	400
A. B. McRither ...	—	420	—

Boots Cash Chemists, Ltd., several years ago opened a branch business in Glasgow, and it has been whispered for some time that they have intended to establish other branches in Scotland and in the North of England. Had this been done they would have been direct competitors with Inman's Stores, Ltd., but this competition has been averted by the purchase of Mr. Inman's interests. The shops are from April 30 carried on as Boots' shops. The rumour that Mr. Inman is to remain as manager is incorrect, for further than acting in an advisory capacity Mr. Inman is retiring definitely from business. We mentioned some time ago that it was Sir Jesse Boot's intention to increase the number of his branches until 500 is reached and this purchase brings the number close to 450. It can not be said that company pharmacy is in an exceptionally prosperous condition, for apart from the Boots companies recent official reports show diminishing profits and smaller dividends, which would be still further reduced if Boots branches are opened in those territories where the other companies at present hold prominence. The question naturally arises, "Are there to be further amalgamations?" Sir Jesse Boot is apparently able to command unlimited capital, and his policy has recently been directed to absorption or purchase rather than to direct opposition. Further evidence of this is supplied by our Glasgow correspondent, who reports to-day a rumour that the business of Cockburn & Co., Ltd., in Glasgow and other towns in the West of Scotland have also been acquired by "Boots."

"Chronicles of Pharmacy."

This work, by the late Mr. A. C. Wootton, will be published by Messrs. Macmillan & Co., Ltd., in the early autumn. Mr. Wootton had completed the slip-proof reading before his death, and since then the pages have been passed and an index compiled. The work will make two handsome volumes, which will be profusely illustrated. In the last issued list of forthcoming books, Messrs. Macmillan & Co. quote from Mr. Wootton's preface to the volumes. In this the author says:

"Of the hundreds of drugs yielded by the vegetable kingdom collected from all parts of the world, and used as remedies, in some cases for thousands of years, I do not know of a single one which can surely be traced to any historic or scientific personage. It is possible in many instances to ascertain the exact or approximate date when a particular substance was introduced to our markets, and sometimes to name the physician, explorer, or conqueror to whom we are indebted for such an addition to our materia medica; but there is always a history or a tradition behind our acquaintance with the new medicine, going back to an undetermined past. . . . The art of pharmacy, restricted to its narrowest signification, consists particularly of the manipulation of drugs, of the conversion of the raw material into the manufactured product. The records of this art and mystery like wise go back to the remotest periods of human history. In the course of ages they become associated with magic, with theology, with alchemy, with crimes and conscious frauds, with the strangest fancies, and dogmas, and delusions, and with the severest science. Deities, kings, and quacks, philosophers, priests, and poisoners, dreamers, seers, and scientific chemists, have all helped to build the fabric of pharmacy, and it is some features of their work which are imperfectly sketched in these 'Chronicles.'"

It was Mr. Wootton's effort to do for medicinal preparations what "Pharmacographia" has done for drugs, and we venture to say that in this he succeeded.

A.Ph.A. Proceedings.

The American Pharmaceutical Association, unlike its younger friend the British Pharmaceutical Conference, in adversity as well as in prosperity, keeps up the standard of its "Proceedings." The volume for 1909 came to hand this week. It is the fifty-seventh of the series, contains 560 pages, and weighs over 4 lb. The prefatory pages record the election of officers for 1910-11 by a mail vote taken last September and October, as a result of which Mr. Eugene G. Eberle, of Dallas, Tex., will succeed Professor Harry H. Rusby in the presidency. Following the preface of 409 pages of a report on the Progress of Pharmacy from July 1, 1908, to June 30, 1909, by Mr. C. Lewis Lehl; then come the minutes of the annual meeting held in Los Angeles in August last. This section occupies 73 pages. As no journal in the United States reports the meetings of the various sections of the Association to the extent of that of this, the "Proceedings" have a peculiar value to American pharmacists and all who follow the progress of American pharmacy. We know from experience how useful these records are, and we anticipate good service from the fifty-seventh volume.

Sour-milk Therapy.

"The Times" of April 29 has a somewhat belated editorial on sour milk, the present vogue for that dietetic article being, it is stated, an example of "the vindication of popular customs by science." The empirical use of curdled milk in ancient systems of medicine is referred to, as also the employment of lactic acid for diphtheria. The development of bacteriology is then traced, and the fact mentioned that there are beneficial as well as harmful micro-organisms. Metchnikoff's work on the flora of the intestinal tract began from the observation that the Bulgarians who favour a simple diet of curdled milk enjoy remarkable longevity. Masson and Grigoroff isolated the acid-forming organisms from the Bulgarian beverage, the chief being the *Bacillus Bulgaricus*. Metchnikoff next found that these acid-forming bacteria prevent those putrefactive changes in the intestine which are responsible for a great deal of chronic malaise, especially among women and persons of sedentary habits. "The Times" adds that the portentous sale of pills and other patent drugs of a kind depends to a large extent on the conditions thus set up, and that midway between incredulity and over-valuation of sour milk "there is good evidence that these preparations of fermented milk possess real dietetic and, when judiciously administered, medicinal value." No inference is made to the forms in which the lactic-acid bacteria are put on the market, but all pharmacists will be prepared to discuss this part of the subject with any inquiring customer.

Our News Sections.

The "Pharmazeutische Zeitung" of April 30 remarks that THE CHEMIST AND DRUGGIST makes its own life a burden to its geography. The news which the "Pharm. Zeit." brings under the sole headings of "News from Abroad" and "Daily Events" we divide (it says) as follows: (1) English and Welsh News, (2) Scots News, (3) Irish News, (4) French News, (5) Colonial and Foreign News, and (6) South African News. "Under the fifth heading some short notices of pharmaceutical events in Germany find their place, which in this case stands very much behind France." Our contemporary has overlooked the fact that the more important German events get exceptional prominence in the *C. & D.* by being dealt with either editorially or under special headings. For example, this year we have had articles on the Potash Bill and the extraordinary meeting of the Apotheker Verein. But our contemporary should

really be glad that there is at present little of general interest to chronicle, for on an average news of this kind is not of a welcome character to the German pharmacist, as it generally assumes the form of fresh restrictions or impositions. Since the beginning of the year the great questions may be summed up as follows: (1) Disappointment at the absence of substantial increases in the medicine tariff; (2) the fight with the sick-clubs with regard to the proposed insurance Bill; (3) the ever-present question of patented preparations and their substitutes; (4) the war with the druggists; (5) the uncertainty as to the future of the profession. These are practically chronic troubles that are only aggravated in time and show few hopes of improvement. The Berlin pharmacies have not been flooded, there has been no German Vauclair case, and there is no new tariff to discuss, therefore "sufficient unto the day is the evil thereof." Besides all this, "French News" in the *C. & D.* has for more than a quarter of a century been a distinctive feature in journalism. There is nothing else like it in any other journal of pharmacy—it is *sui generis*, and the French drug-trade and pharmacy regard this section of our pages with the highest interest. This may be a reason for our friends on the Spree casting a longing eye on the feature, but we sincerely trust that no international complication is to arise.

New Remedies.

Sodium mercuri-amidoxy-isobutyro-salicylate is an amorphous, light yellow hygroscopic powder, readily soluble in water, but insoluble in alcohol and ether. It contains 40 per cent. of mercury. Recommended in hypodermic doses of 0.1 to 0.15 gram as an antisiphilitic.

Dioxydiamido-arsenobenzol ($C_{12}H_{10}O_2N_2As_2$) is a yellow powder, recommended for the treatment of syphilis in doses of 0.3 gram. Its advantage is said to lie in the slow rate of elimination of arsenic. It is sold in sealed glass tubes, and is administered by subcutaneous injection. To dissolve the preparation 10 c.c. of sterilised water is added to the dose (0.3 gram) and sufficient normal sodium hydroxide (2 to 2.3 c.c.) to produce almost complete solution; sterile water is then added to make up 20 c.c., as well as an anæsthetic, for which eusemin is particularly recommended.

Poison Licences.

(Poisons and Pharmacy Act, Sec. 2.)

Renewals.

MIDDLESEX.—The licences of E. C. Ashby, Viewsley, and E. W. Molden, Wood Green, were renewed at the meeting of the County Council on April 28.

Applications Granted.

WARWICKSHIRE.—At a meeting of the Warwickshire County Council on April 26, a recommendation was received in favour of a licence being granted to Mr. A. E. Townsend, Regent Street, Rugby. Mr. Hollick opposed the recommendation, stating that the late Sanitary Committee had inquired into the matter, and they found that at Rugby seven qualified chemists were selling the poisonous substances. He instructed the clerk to write to the police superintendent at Rugby asking his opinion, and he replied stating that the existing facilities were adequate. Mr. Bowen said he did not consider the police superintendent to be the best judge as to whether facilities existed or not, and Mr. Blackham argued that the application made should be granted, as no business man would apply for a licence for which he had to pay unless he was likely to repay himself. To restrict the sale of horticultural poisons meant making a corner, which he would oppose. Alderman Evans, on behalf of the Weights and Measures Committee, said they had tried to carry out the Act in the spirit in which it was conceived. If the Act was a bad one it was not their fault. No objections for application had been received. The recommendation to grant the licence was adopted.

Notices of Application.

NORTHAMPTONSHIRE.—Isaac Ebenezer and Wm. Lack, trading as H. E. & W. Lack, nurserymen, seedsmen, and florists, 13 Sheep Street, Wellingborough.

Pharmaceutical Society of Great Britain.

COUNCIL-MEETING.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on May 4. After the minutes had been read, the President welcomed Mr. R. C. Walshaw, who has been co-opted in the place of Mr. Walter Hills. Mr. Walshaw, in reply, outlined his aims and ideals regarding the position of the Society. Reference was made to the death of Mr. W. W. Urwick, of Sidcup, a former member of the Council. Mr. Car-teighe, who remembered him, gave some personal details. The financial position of the Society was stated by the Treasurer to be in "a very satisfactory condition." Grants were made from the Benevolent Fund amounting to 111*l.* 10*s.*, and several substantial donations have been received during the month. The House Committee brought forward a scheme of rearranging some of the departments of the School of Pharmacy, the expense of which is being defrayed by an old student who desires to remain anonymous. Mr. Neathercoat, as the first step of an organisation scheme which he has in hand, obtained permission to have prepared by the office staff details of the areas covered by the various local associations, the number of members, and the proportion that are also members of the parent Society. Mr. W. R. Pratt was awarded the Pereira medal, and Mr. H. V. Potter the Council silver medal, as a result of the recent competitive examination. The delegates from the Society to the British Pharmaceutical Conference at Cambridge were appointed, and Messrs. E. S. Peck and E. White are to represent the Society at the International Congress of Pharmacy in Brussels. The form of the annual report of the Council was agreed to.

THE Councillors present were Mr. J. F. Harrington (President), Mr. W. L. Currie (Vice-President), Mr. W. H. Gibson (Treasurer), Mr. C. B. Allen, Mr. A. S. Campkin, Mr. M. Carteighe, Mr. W. G. Cross, Mr. J. H. Cuff, Mr. F. J. Gibson, Mr. R. L. Gifford, Mr. D. Gil-mour, Mr. A. Hagon, Mr. J. Harrison, Mr. A. E. Hobbs, Mr. E. T. Neathercoat, Mr. G. T. W. Newsholme, Mr. P. F. Rowsell, Mr. R. C. Walshaw, Mr. E. White, and Mr. J. R. Young.

NEW MEMBER.

The minutes of the previous meeting having been read and confirmed, the President welcomed Mr. R. C. Walshaw, the new member who has been co-opted in the place of Mr. Walter Hills.

THE PRESIDENT said Mr. Walshaw is Divisional Secretary of one of the most loyal and helpful divisions of the country.

MR. WALSHAW thanked the President for his welcome, and, after referring to the retirement of Mr. Walter Hills, said he would try to do his level best to maintain the confidence of the Council which has honoured him by its selection. As he had been co-opted, he owed allegiance to no one but the Council, to whom he looked for assistance in carrying out the aims and ideals which he had held for many years. Briefly, his aims were to make the Society more useful in the future to the members than it has been in the past, to make the Society more powerful, and to inaugurate a real and more thorough system of organisation through the medium of the local associations. (Hear, hear.)

THE PRESIDENT then read a letter from Mr. Walter Hills thanking the Council for their kind resolution at the last meeting.

THE LATE MR. URWICK.

THE PRESIDENT next referred to the death of Mr. W. W. Urwick at the age of eighty-four. He was a member of the Council in 1872, and had lived a long and useful life.

MR. CARTEIGHE said he remembered Mr. Urwick, who was an extremely clear-headed and shrewd business-man, with rather more means than usually falls to the lot of pharmaceutical chemists. Mr. Urwick was enabled to do a certain amount of good for others, and by his efforts in 1868 smoothed away the differences which existed between those who belonged to the Society and those outside.

ELECTIONS.

Two persons had their names restored to the register of chemists and druggists, and 288 were restored to membership of the Society. Forty-seven members and twelve student-associates were elected.

FINANCE.

The report of the Finance Committee was presented by the Treasurer, and was as follows:

General Fund Receipts.

	£	s.	d.
Penalties and costs	113	8	0
Subscriptions	2,340	9	0
"Journal" and publications	239	9	11
Restoration-fees, etc.	15	5	0
Registration-fees	65	2	0
Ground-rents	36	9	10
School-fees	25	4	0
Sale of registers to the Government	142	10	0

£2,977 17 9

With the balance from the previous month, the total was 4,735*l.* 1*s.* 11*d.*, from which the following amounts were recommended for payment:

	£	s.	d.
"Journal" and publications	849	2	6
Stationery, etc.	49	0	1
Current expenses	550	0	0
Salaries, etc.	158	6	8
School and examinations	341	14	6
Law-charges	23	4	6
House	407	9	11
Library	2	19	8

£2,381 17 10

BENEVOLENT FUND.

The balances on the Benevolent Fund accounts were given as follows:

	£	s.	d.
Current account	586	13	10
Donation account	33	5	1
Orphan Fund	65	19	0

THE TREASURER, in moving the adoption of the report, said the finances of the Society are in a very satisfactory condition. The subscriptions have come in in a marvelous manner, not only to the General Fund, but to the Benevolent Fund. The subscriptions to the last named are above the average, due to special individual efforts. The Women Pharmacists' Association have sent 30*l.* 10*s.*, this reflecting the greatest credit on those ladies who initiated the concert.

THE PRESIDENT, before putting the resolution, said he wished to offer the heartiest congratulations of the Society to Miss M. Buchanan, Miss Renouf, Mr. Wren, and Miss Walden for their successful efforts on behalf of the Benevolent Fund. Among the gentlemen who assisted he also mentioned Mr. Wellesley Douglas, who organised the musical programme.

The report was adopted.

The report of the Benevolent Fund was then considered in committee, after which

MR. CAMPKIN (the Chairman of the Committee) moved the adoption of the report. He said that grants amounting to 111*l.* 10*s.* had been recommended, and that the balance on the current account was 586*l.* 13*s.* After referring to the concert promoted by the Women Pharmacists' Association, Mr. Campkin said that the Brighton chemists had sent 21*l.* 4*s.*, as the result of a collection made on the initiation of the Treasurer, whose contribution did much to promote the spirit of emulation which produced such a large amount. Other special subscriptions received were: Pharmacy Club, 10*l.* 10*s.*; School of Pharmacy, 4*l.* 6*s.*; Chemists' Assistants' Association, 2*l.* 12*s.*; Birkenhead and Wirra Association, 2*l.* 5*s.* One annuitant (Mr. Young) has died

ing the month, leaving twenty-nine annuitants, a number below the normal. Mr. Campkin thought that, although the number of annuitants is smaller, it is a question whether the Committee have not been able to do a larger amount of good by making casual grants. This is a question which must be considered by the Committee, and also the desirability of granting smaller amounts to future applicants.

Mr. GILMOUR, in seconding the adoption of the report, referred to the gratitude of the recipients. If the members of the Society could see the touching letters which he received he was sure that money would come into the Fund even more freely than at present. He also added that the personal call for subscriptions would bring in more money than the present system of sending to the office.

Mr. HOBBS, mentioning the success of the concert promoted by the Women Pharmacists' Association, suggested that if the amount were earmarked for a nominee of the Association it might act as a further stimulus.

Mr. YOUNG said that, considering the way women are outgrowing men, the Association would doubtless be glad to have a mere man. (Laughter.) The report was adopted.

REARRANGEMENT OF SCHOOL.

Mr. WHITE next presented the report of the Library, Museum, School, and House Committee, which dealt with the monthly statement respecting the Society's libraries and museum. Messrs. Parkinson & Son's account for 24/ 17s. was approved, and the Chairman of the Committee asked for permission to exercise his discretion in arranging for further work to be done on the swing-doors and widow-sashes. Three successful Major candidates were given permission to be admitted to the laboratory for the months. A special report was received from the School Staff Committee regarding a rearrangement of the departments of the School of Pharmacy. The dispensing laboratory, it was suggested, should be transferred to the room now used as a pharmacy research laboratory adjoining the practical pharmacy laboratory. This renders necessary other transferences, which are duly arranged for in the report. In addition to these alterations, the Staff Committee recommended that chairs be provided in the lower part of the lecture theatre in place of the present benches, and that a draught cupboard be fixed in the lecture theatre. It was reported that a former student of the school has offered to defray the expenses of the alterations outlined in the report. The Library, etc. Committee recommended the appointment of Mr. E. S. Peck and Mr. E. White as delegates to the International Congress of Chemistry to be held in Brussels in September, and that the delegates be granted twenty guineas towards their expenses.

Mr. WHITE commented on the report, and said that the alterations in the school would consolidate the departments over which the Professor of Pharmacy presides. The provision of chairs in the lecture theatre would make the seating accommodation more comfortable, and perhaps result in a better attendance of members of Council at the evening meetings. (Laughter.) The name of the old student who has offered to defray the cost of these alterations is not to be revealed, but he (Mr. White) was sure that it expresses in a concrete form the feelings which many old students entertain.

Mr. ROWSELL supported the adoption of the report. He had examined the details of the proposed rearrangement of the school, and considered it fair from beginning to end. He thought some expression of gratitude should be made to the unknown friend at whose expense the work is to be carried out.

The PRESIDENT said it is gratifying to be able to help in the educational work of the Society. The report was adopted.

Mr. ROWSELL: Will there be any special resolution of thanks?

The PRESIDENT: Not yet.

Mr. YOUNG: So many of our friends are anxious to go forward that it is difficult to guess the name of the donor. (Laughter.)

Mr. HARRISON suggested that an inscription might be put up in one of the rooms, so as to emphasise the generous act and stimulate other well-wishers of the Society.

The PRESIDENT: The matter shall be attended to.

Mr. GIFFORD: I desire to say that I am not the donor. (Laughter.)

ORGANISATION.

Mr. NEATHERCOAT asked the President if he would order a return to be made regarding all local Associations, giving the distribution, area covered, number of members, and proportion of members who are also members of the Society. He emphasised the usefulness of such a return to the office and the Council in the consideration of any scheme of organisation which the Council might be called upon to adopt. The local Associations are a powerful force in the country, and from his knowledge of the working of the Association he was convinced that properly organised and encouraged they could be made of the greatest possible service to the Society. The Council's interest in the matter should take a more practical character than hitherto. He proposed later on to ask the Council to take a step in this direction.

Mr. HOBBS supported the suggestion, and said there is great need for the forging of a chain to link up the local Associations in one body.

Mr. ROWSELL said it appeared that many on the Council had been thinking on the same lines. He had endeavoured to frame such a scheme that would connect local Associations into districts where meetings could be held twice yearly.

The PRESIDENT promised to obtain the information asked for as far as possible, but, he added, the extent would depend upon the response by the Associations, as the information is not at present in possession of the office.

APPRENTICES REGISTERED.

The REGISTRAR reported that he had during the month registered twenty-six apprentices or students.

PRIZE AWARDS.

The report of Messrs. Phillips, Tickle, and Wright, examiners for the Pereira medal and Council silver medal, stated that there were seven candidates, and of these two obtained sufficient marks to qualify for the Pereira medal. It was recommended that the Pereira medal be awarded to Mr. W. R. Pratt, and the Council silver medal to Mr. H. V. Potter.

The Council agreed, and thanked the examiners for their work.

Mr. E. S. Peck was appointed examiner for the Jacob Bell and Manchester Scholarships examination.

EXAMINERS' REPORT.

The Board of Examiners for England and Wales reported that at the April examinations there were 28 candidates for the Major, of whom half passed. For the Minor there were 189 candidates, and 74 passed. The Board of Examiners for Scotland reported that two out of three Major candidates passed, and that of 75 Minor candidates 57 passed.

The pharmaceutical chemists who passed the recent examinations were granted diplomas stamped with the seal of the Society.

B.P.C. DELEGATES.

The following delegates were appointed to attend the British Pharmaceutical Conference at Cambridge in September: The President, Vice-President, and Messrs. Neathercoat, Harrison, Cross, Allen, Gifford, F. J. Gibson, Cuff, Rowsell, and Hobbs. The Secretary was also requested to attend the meeting.

Mr. CURRIE said he hoped the delegates would attend. (Laughter.)

N.B. BRANCH REPORT.

The PRESIDENT said that the report of the Executive of the North British Branch had been received, but too late for mention on the agenda. He moved that it be received and recorded on the minutes.

The Council agreed.

OTHER MATTERS.

The Huddersfield Chemists' Association sent a resolution of appreciation of the services of Mr. Walter Hills.

The Privy Council communicated the terms of a rider to the verdict of a coroner's jury, to the effect that the sale of poison to children should be prohibited. [This was the carbolic-acid poisoning case reported in the *C. & D.*, April 16, p. 591.]

The Coroner for the City of London also communicated the recommendation of the jury.

The matter was referred to the Law Committee.

The Leeds Chemists' Association asked the Council to take steps to test the meaning of the expression "the business of a chemist and druggist" in the Poisons and Pharmacy Act, 1908.

The Pharmacy Board of Victoria forwarded a copy of the Pharmaceutical Register of Victoria.

Annual Report.

The Council then went into Committee to consider the annual report, which was finally approved in the following form:

The final year of the seventh decade of the Society's work has not been without elements of satisfaction to the members of the Society and to those who, while remaining unassociated, nevertheless recognise to the full the significance of a strong and effective statutory body. In respect to membership, there has been an increase of 584 annual and forty-one life members. Altogether, the number of members of the Society on January 1 last was 7,275—a pleasing development that seems to point to an awakened sense of the value of mutual cohesion. In regard to finance, some improvement has been manifest, ordinary income having increased by 1,687l., while ordinary expenditure has risen 362l.; so that in place of the adverse balance of 170l. that figured in the balance-sheet for 1908 the Council is now able to report a favourable balance of 212l., in spite of the circumstance that over 900l. has been expended, from current revenue, in modernising the chemical laboratories. Reference to other evidences of progressive work will be found under their appropriate headings in this report.

Examinations.—One thousand and sixty candidates were examined during 1909 for the qualification of chemist and druggist, an increase on the preceding year of eighty. Three hundred and ninety-seven candidates, or 37.45 per cent., were successful, and 663 failed, and it is to be regretted that the diminution in the percentage of rejections noticeable in recent years has not been maintained. For the Major examination fifty candidates were examined; twenty-three, or 46 per cent., passed and twenty-seven failed.

Three hundred and seventy-nine persons were registered as apprentices or students on production of approved certificates in preliminary knowledge. The number of students registered shows a slight falling-off compared with the previous year, but is still well above the average for the past five years.

Evening Meetings.—The following papers have been presented at the Society's evening meetings:

In London: "The Tests for Purity of Quinine Salts," by Frank Tutin, F.C.S.; "The Cultivation of *Grindelia Camporum* (Greene) in Jersey," by P. E. F. Perredès, Ph.C., B.Sc.; "The Fixed Vegetable Oils of the British Pharmacopœia (particularly with regard to the methods of their production)," by C. E. Sage, F.I.C., F.C.S.; "French Chalk and Tale: a question of identity," by Alexander Gunn, F.C.S.; "The Essential Oils of the British Pharmacopœia," by G. A. Hill, Ph.C., B.Sc., F.I.C., and J. C. Umney, Ph.C., F.C.S.; "Chemical Examination of *Ornithogalum thyrsoides*" (Jacq.), by Dr. F. B. Power and Harold Rogerson; "The Utilisation of Atmospheric Nitrogen," by Professor A. W. Crossley, D.Sc., Ph.D., F.R.S. *In Edinburgh:* "Actions at the Surface of Bodies," by Professor Wm. Peddie, D.Sc., F.R.S.E.; "Syrup of Wild Cherry or Virginian Prune, B.P.," by Robert R. Hallaway, B.Sc., Ph.D., Ph.C.; Note on "Syrup of Wild Cherry or Virginian Prune," by J. C. Umney, Ph.C., F.C.S.; "The Physiological Standardisation of Digitalis from the point of view of the Pharmacist," by Robert R. Hallaway, B.Sc., Ph.D., Ph.C.; "The Valuation of Scammony Resins" (a comparison), by W. B. Cowie, Ph.C., F.C.S.; "Colouration in a Phenazone Mixture," by Thomas Wilson, Ph.C.; "The Physiological Standardisation of Drugs," by Alexander Goodall, F.R.C.P.E., M.D.; "Pharmaceutical Preparations of Sweet Orange," by Peter Bea, Ph.C.; "The Preservation of Sulphurous Acid by means of Glycerin," by Edward J. Brown, Ph.C.; "A Deposit in Sulphurous Acid," by Edward J. Brown, Ph.C.; "Pusch's Purity Test for Citric Acid," by J. Rutherford Hill, Ph.C.; "Note on Soya Seeds and Oils," by W. B. Cowie, Ph.C., F.C.S.; "An Ethyl Nitrite and Potassium Chlorate Mixture," by Donald McEwan; "A Hydriodic Acid Mixture," by J. Tait, Ph.C.; "Solubility of Magnesium Ammonium Sulphate," by John Lothian, Ph.C.; "Notes on Some B.P. Ointments," by Thomas Dunlop, Ph.C.; "The British Pharmacopœia as a Standard," by D. B. Dott, Ph.C., F.I.C.

The Council expresses its cordial acknowledgments of the valuable service rendered by those who have assisted to make the evening meetings of the Society successful and useful.

The School.—The completion of the work of refitting the chemical laboratories has been followed, as was anticipated,

by a greatly increased interest among pharmacists in the School of Pharmacy which they help to maintain. General approval has been expressed by members who have visited the new laboratories, both with the policy of the Council in effecting the refitting, as well as with the admirable manner in which the work has been planned and carried out. The Privy Council visitor to the examinations, Dr. W. H. Willcox, in his last report on the work of the Board of Examiners in London, volunteers the following testimony:

"In my last report I alluded to the great improvements made in the laboratories of the School of Pharmacy of the Pharmaceutical Society, in which the examinations have been held.

"The whole of these chemical laboratories have now been modernised, and are admirably equipped in every way.

"The candidates for the practical chemistry examinations have had the advantage of working in laboratories fitted with every necessary requirement, so that there is every opportunity for good and rapid work."

The Council, in consultation with the School staff, has had under consideration a scheme for increasing the efficiency and practical value of the pharmaceutical side of the School. The scheme, which involves certain readjustments and transfers as well as the provision of new fittings, would, having regard to the financial position, have had to be postponed for a time but for the generous offer of a former student in the School who has undertaken to bear the entire cost of the work. The timely assistance thus tendered will enable the Council to accomplish a long-contemplated series of improvements in the teaching of pharmacuetics that will be highly appreciated by the School staff, and will materially facilitate the technical advancement of students. The Council is not at liberty to disclose the name of the member who has so gracefully and so opportunely paid such a practical tribute of affection to his old School, but it feels that the members of the Society generally will readily acquiesce in the acceptance of the offer with sincere, hearty, and appropriate expressions of thanks.

Legal.—The number of cases of alleged infringements of the law investigated during the year was 1,360, but in only 155 instances was it found necessary to institute legal proceedings. A summary of these cases, together with the results of the proceedings, is contained in the Registrar's report presented in February last and ordered to be published in the Journal of the Society (February 5, 1910). Two of the actions referred to above have become the subject of appeal in the Divisional Courts. In the first, an unregistered drug-store proprietor, who had been convicted in the County Court under Section 12 of the Pharmacy Act, 1852, for exhibiting the title "Pharmacy" in connection with his business, sought to have the judgment set aside on the ground that the words employed did not imply his registration under the section. The case was argued before Justices Darling and Bucknill in October, and the Court, without much hesitation, decided in favour of the appellant, reversing the judgment of the County Court Judge and establishing the principle that the statute does not prohibit the use of words descriptive of a place as distinguished from words descriptive of a person. This principle has since received confirmation by the House of Lords in a dental appeal case (*Bellerby v. Heyworth*).

The second appeal case was one in which the point at issue was the interpretation to be placed upon the words "The name and address of the seller" in Section 17 of the Pharmacy Act, 1858. Having regard to the uncertainty surrounding this portion of the provisions relating to the labelling of poisons, the Council authorised proceedings against a chemist who retailed a poison labelled in a name that was not his own. The Police Magistrate before whom the information was laid held that the poison in question was improperly labelled, and that the omission of the vendor's real name constituted a breach of Section 17. The defendant appealed, and the appeal was heard in April last by the Lord Chief Justice and Justices Bray and Pickford, who unanimously reversed the decision of the lower Court, and ruled that the trade-name of the seller on the label is a sufficient compliance with the requirements of the section.

In pursuance of the duties imposed on the Society by Section 3 of the Poisons and Pharmacy Act, 1908, the Council has, since April 1908, caused to be inspected 4,224 shops in which the business of a chemist and druggist is carried on with a view to ascertaining whether the certificate required by law was conspicuously exhibited. In a small proportion of instances only it was found that the requirements of the new Act were not complied with, and in nearly every case the omission was remedied on the attention of the proprietor being called to his statutory obligations. The Registrar is proceeding with the administration of Section 3 in so far as the registration of superintendents of bodies corporate and the exhibition of proper certificates are concerned, and it is satisfactory to know that the short experience that the officers of the Society have had in the Act of 1908 leads them to the conviction that its steady administration tends to facilitate

carrying into effect of the objects for which the Act of 18 was enacted.

Library and Museum.—Both these departments of the Society have been well maintained during the year, and the number of attendances by members and others interested in pharmacy has been quite up to the average. A portion of the library has been set apart for the special use of members who may desire accommodation when in town for conducting correspondence or transacting other business. It is the desire of the Council to render the premises at Bloomsbury adaptable to the needs of members, whether resident in the Metropolis or visiting from provincial centres.

Benevolent Fund.—The annual subscriptions to the Benevolent Fund during 1909 were slightly less than in the preceding year, but the income from all sources reached within 3% of the total in 1908. The expenditure was quite up to the normal, and the result of the work of the Benevolent Fund Committee was that at the end of the year there was a deficit of 187%, notwithstanding that the prudent course had been adopted of postponing for a time the election of additional annuitants. The Fund has now for the past two years found extreme difficulty in meeting the demands upon it, and the Council feels again warranted in urging the members of the Society to endeavour to add to the resources of the Fund during the coming year, so that there may be no necessity further to postpone the election of annuitants. It is gratifying to report that many local Associations have made special efforts in their respective localities to increase the support given to the Fund, and a number of welcome subscriptions have resulted from the efforts made.

Organisation.—The Council has paid very considerable attention to the work of consolidation and organisation. It has been felt that some method is necessary for keeping the members of the Society, and others interested in the welfare of pharmacy, in close touch with the administrative work done at headquarters. Much of that work is of such a character that it cannot well be described through the medium of the trade Press, or even through the medium of official

communications. The Council, therefore, in December last authorised the President and Secretary to place a member of the staff at the disposal of such local Associations as might desire to have his services. The following places have been visited: Dover, Liverpool, Northampton, Leicester, Sheffield, Nottingham, Rotherham, Blackpool, Peterborough, Stockport, Bolton, Eastbourne, Carlisle, Kendal, Whitehaven, Lancaster, Leeds, Lincoln, Stockport, and Barnsley. On three occasions Mr. Rymer Young has attended the meetings. From the reports that have been received, the Council has reason to believe that its action meets with general approval, and that the work in question is appreciated.

Parliamentary.—There has been no special legislative work during the past Session that has had any particular relation to pharmacy, and the Parliamentary Committee has been chiefly occupied with the complaints that have been made from time to time respecting the apparent indiscriminate granting of poison-licences by Local Authorities who have not yet grasped the object of Section 2 of the Poisons and Pharmacy Act. Representations have been made to the proper quarters whenever it appeared necessary to direct attention to alleged disregard of statutory conditions, and in many cases the committee has been able, through its officers, to render material service to local pharmacists by advising them as to the just and reasonable course of conduct to pursue. The Parliamentary Committee has instructed the Parliamentary Secretary to call the attention of the Government to the decision in the Divisional Court in the case of this Society *v.* Mercer, and to point out that the state of the law, as revealed by that judgment, militates against the proper administration of the Poisons and Pharmacy Act. It is hoped that it may be possible to obtain an assurance that the Government will at the first suitable opportunity try to remedy the defect.

The Council has under careful consideration the formulation of by-laws under Section 4 of the 1908 Act. The Boards of Examiners have been asked to advise as to the establishment of a compulsory course of systematic training, and upon the division of the Qualifying examination. The Board for



The Epsom (Salts) Stakes.

The artist depicts the start for the blue-ribbon of the pharmaceutical Turf—the Council election. The jockeys are Newsholme, Gibson, Currie, Synes, Hagon, Gifford, White, Rowsell, Bilson, Ridley, Sargeant, Waldron, and Dowty. Which six of these will number among the "also ran"? The first ten correct postcard replies will each receive a copy of the Chemists' Medical Dictionary.

England and Wales has already reported, and a report from the Scottish Board is expected shortly. The Council proposes to refer both reports to a Special Committee, which will probably feel the necessity for taking into consultation those engaged in the teaching of pharmacy in Great Britain. It is also suggested that the local Associations of the country should be given an opportunity of expressing their views upon the subject.

N.B. Branch.—The report of the Executive shows that the business of the Society in North Britain is effectively carried out, and that the premises are in good order and repair.

An obituary paragraph completed the report.

Society of Chemical Industry.

London Section.

A MEETING was held at Burlington House, Piccadilly, W., on May 2. Mr. W. F. Reid occupied the chair, in the absence of Dr. Lewkowitsch, who was detained in Liverpool; the Vice-Chairman (Mr. Hooper) being out of England. The minutes of the previous meeting having been read and confirmed, the Chairman called on Dr. J. Gordon Parker, of the Leathersellers' Technical College, to read a paper entitled

THE PRINCIPLES OF TANNING.

The author began with an historical survey of the subject, which showed that the art of tanning existed in Egypt 3000 B.C., and samples of leather shoes made thousands of years ago exist in museums. This was followed by a review of the way the trade was regulated in mediæval times, when wide powers were entrusted to the Leathersellers' and Skinners' Companies. Dr. Parker regretted that these powers had lapsed. The process of tanning now carried on is the same in principle as has been employed for hundreds of years. The chief raw material used in this country consists of the hide of oxen and cows, produced locally or imported in a dried condition. The hides are soaked in several changes of water, and in the case of dried skins a milling or pummelling process is used for the purpose of driving the water into the skins. Then follows the "liming" process, which swells and unhairs the hide. This consists of soaking the skins in milk of lime for from seven to ten days; in modern practice sodium and calcium sulphite are added to the lime-bath. The slight solubility of lime led Mr. Payne to shorten the process by forming lime in the interior of the hide by means of successive baths of caustic soda and calcium chloride. It was found, however, that the skins did not unhair, and this resulted in the discovery that during the liming process it is bacterial and enzymic action that causes the hairs to loosen. Unhairing is managed by spreading the skin on a rounded block and scraping with a blunt instrument. There is a machine, of American manufacture, which can be used for unhairing. The tanning-process follows, but the modern practice is to cut up the hide into butt, belly, and shoulder, and separately tan these parts. The butt, which forms about 50 per cent. of the hide, is that which produces the finest sole-leather, and sells at 1s. 10d. to 2s. per lb., against 3d. or 9d. for the belly or shoulder portions. It was formerly the practice to transfer the limed hides direct to the tan baths, but it was recognised that it is wasteful to use up the natural acids of the tan baths for neutralising the lime, and now the hides are "de-limed" in lactic or acetic acid. The tanning consists in prolonged soaking in liquors containing natural tannins; oak-bark was formerly solely employed, but now stronger tannin-containing substances, such as valonia, myrobalans, mimosa-bark, and chestnut extract, are used. Valonia contains 30 to 40 per cent. of tannin. Tanning-extracts are concentrated liquors made near the source of the bark. The bark is exhausted, decolorised, filtered, and concentrated to a syrupy liquid. The old process of tanning consisted in packing the hides in pits with layers of oak-bark, and pumping in water, this being repeated at intervals of a few months or so for about two years. It is now customary to prepare a series of tan liquors from an extract, and suspend the hides in these.

The gradually increasing strength of the tannin baths is an important factor in "setting" a proper colour. Next follows the "layering" process, which consists in putting the hides in tannin solution, shovelfuls of valonia being placed on each hide before it has time to sink. The finishing processes consist of bleaching, hammering, drying and rolling, this "shed-work" being important and demanding much technical knowledge. The hammering, now done by machinery, consolidates the leather. The bleaching employed is a quebracho extract containing sodium bisulphite, the sole purpose being to give the yellowish color preferred by the bootmaker. The lecturer regretted that bleaching should be demanded; it is not only unnecessary but harmful. Sodium bisulphite dissolves out the water-resisting tannins, which the tanner has taken many months and much trouble to deposit in the leather. As soon as the bootmaker gets the leather he soaks it in dirty water, so that the boot-stitching machines can use it without breaking the needles, and when it is made in boots it is submitted to an emery wheel, and finally blacked, so that the bleaching-process, which has added to the cost of the leather and injured it as well, is entirely unnecessary. An interesting discussion took place, in which Professor Procter (Leeds University), Mr. L. Wyche and Mr. Hinton (Leathersellers' Company), Mr. Lamington Evans, Dr. Rideal, and the Chairman took part. Dr. Parker, in reply, invited those present to visit the new Leathersellers' Technical Institute in Tower Bridge Road.

The last paper was by Mr. E. J. Read on "The Crystalline Products of the Hydration of Portland Cement." These are studied by mounting a small portion of ground cement in water as microscope-slides, and ringing the preparation with paraffin wax. In cements made by the rotary process hexagonal plates of tetracalcic aluminate ($\text{Al}_2\text{O}_3, 4\text{CaO}, 12\text{H}_2\text{O}$) are formed. Needle-shaped crystals of calcium sulpho-aluminate ($\text{Al}_2\text{O}_3, 3\text{CaO}, 3\text{CaSO}_4, 30\text{H}_2\text{O}$) are formed when the cement is "slowed" with gypsum.

The Annual Meeting

of the Society is to be held in Glasgow on July 6, 7, and 8, under the presidency of Professor Ira Remsen. A provisional programme has been issued which shows that the general meeting will be held in the Natural Philosophy Lecture Theatre of the Technical College at 10.30 a.m.

On July 6, when the President will deliver his address and the Society's gold medal will be presented to Mr. Thomas Tyrer, F.I.C., F.C.S., for his conspicuous services to the Society and to applied chemistry. Mr. Walter F. Reid, F.I.C., F.C.S., has been nominated to succeed Professor Remsen as President, and Dr. Julius Lewkowitsch, Dr. Russell W. Moore (New York), and Dr. Harvey W. Wiley (Washington) have been nominated as Vice-Presidents, along with the retiring President. Mr. Tyrer has been reappointed Hon. Treasurer and Dr. Rudolf Meissel Hon. Foreign Secretary. After the general meeting the members will lunch in the large hall of the Technical College, and at 2.30 p.m. a series of excursions and visits will be begun. On Thursday there will be an all-day excursion to Troon and to Edinburgh, the former giving an opportunity to golfers. Besides this there will be visits to various works in Glasgow during the day winding up with a dinner in the Grosvenor Restaurant, Gordon Street, Glasgow. The Friday will be devoted to an excursion to the Firth of Clyde, and in the evening there will be a *conversazione* in the Technical College.



MR. W. F. REID, President-Elect

Association Affairs.

Brief Records.

Tunbridge Wells Association of Pharmacists.—A meeting was held at 35 Mount Pleasant on Tuesday, April 26, Mr. H. J. Bishop (President) in the chair. The attendance included Messrs. Gale, Green, Godkin, Hobbs, Harden, Booth, Chatterton, Phillips, and Webb (Hon. Secretary). Several election addresses of candidates for the Pharmaceutical Council were considered and it was decided to support certain candidates.

Three Towns Association.—A committee-meeting of the Plymouth, Devonport, and Stonehouse Association of Pharmacists was held on April 11, when Mr. F. J. Barge was elected Hon. Secretary, in place of Mr. H. H. Cannon, who is leaving Plymouth.—The Junior Section met on April 27 to hear a lecture on "Heat" by Mr. Thos. N. Andrews, M.I.E.E., lecturer at the Plymouth Technical Schools. The lecture was illustrated by experiments. A vote of thanks to Mr. Andrews was carried unanimously.

Bolton Pharmacists' Association.—The annual meeting and dinner were held at Hamer's Hotel, Bolton, on the evening of April 27, Mr. Rothwell presiding. The Secretary submitted the annual financial statement. The President and Secretary were cordially thanked for their services. It was resolved that Mr. Percy Knott be appointed President for the coming year, and Mr. Charles Holt was appointed Secretary. After this business had been disposed of the remainder of the evening was given up to music, etc., Messrs. Blain, Rothwell, Harris, Haworth, Knott, and Rushton contributing to the evening's enjoyment.

Bournemouth Pharmaceutical Association.—The monthly meeting was held at the Gervis Hall on April 22, Mr. Francis Rose (President) in the chair. Messrs. Hardwick, Bilson, W. Jones, Hornby, Haynes, Reid, Gordon, Akhurst, Botham, Lodder, Rye, Graham, R. Robinson, A. Worth, Cooper, Gotherd, and Bingham (Hon. Secretary) were also present. An interesting lecture, illustrated by drawings, cultures, etc., on "Fungi and Bacilli," was given by Mr. G. Hamilton, F.R.C.S. Mr. F. E. Bilson, who has been nominated by the Association for a seat on the Pharmaceutical Council, read his address, which was fully endorsed by the meeting, and their support was promised.

Bath Pharmaceutical Association.—A party of thirty met by the invitation of Mr. and Mrs. D. A. Evans at 6 Milsom Street on Thursday evening, April 28, when whist was played. Pathéphone pianoforte selections were rendered by Miss K. Cooper, recitations by Mrs. Gedge and Mr. Chivers, and songs by Messrs. D. A. Evans, J. G. Hawes, Ingrouille, and Hughes, and the Milsom Street Quartette Party; refreshments were also served during the evening. At the conclusion of the play Mrs. Evans presented the whist-prizes. Ladies: First, Mrs. Hallett; second, Mrs. Chivers. Gentlemen's: First, Mr. Pryke; second, Mr. Hughes. Mr. W. J. Hallett (President) thanked Mr. and Mrs. Evans for their hospitality.

Drug Stores' Association of Great Britain.—A Council meeting was held at Cowbrough's Restaurant, Leeds, on April 26, Mr. W. Huntrods in the chair. The Secretary reported an increase in the membership. The annual report was submitted by the Chairman, discussed, and passed. On account of the expense and the poor response of the trade as a result of sending out last year's report, it was decided to confine the circulation to members and those who had not renewed their subscriptions during the past year. The President reported that the tickets for the smoking-concert on May 11 were selling well, and members would be supplied with a ticket free on application to the Secretary, Mr. Alfred Dobson, Grove Cottage, Morley.

Cheltenham Chemists' Association.—A meeting was held at Northgate Mansions, Gloucester, on Thursday, April 23, Mr. Freshfield Reynolds (President) in the chair. Messrs. W. Barron, S. J. Coley, A. Hill, T. T. Dolman, W. Marchant, W. T. Slatter, W. Palmer, and W. H. Hill (Hon. Secretary) were also present. Mr. Stanley Pearce was elected a member. Several letters received by the Secretary were referred to the committee. Mr. Coley made a communication on chemists' own proprietaries, showing the advantages of these. He also advocated the preparation by chemists of as many galenicals as possible, and gave instances where doing so had been of especial advantage to himself. A good discussion followed, and Mr. Coley was warmly thanked for his useful observations.

The First Annual Meeting and dinner of the Llandudno, Colwyn Bay, and District Pharmacists' Association was held at the Queen's Hotel, Llandudno, on April 27, when twenty-two members were present. The President (Mr. F. Winter) occupied the chair. A capital dinner was provided,

and the toasts of "The King," "The Pharmaceutical Society," and "The Association" were duly honoured. Messrs. G. Brinson, L. Cocker, D. Llew. Jones, and F. Roberts entertained the company with musical items. During the business part of the meeting the following officers were elected: President, Mr. F. L. Hunt (Colwyn Bay); Vice-President, Mr. A. Roberts (Llandudno); Hon. Treasurer, Mr. F. W. Adamson; and Hon. Secretary, Mr. E. A. Neill. An enthusiastic vote of thanks to the retiring officers terminated a most successful evening.

Society of Chemist-Opticians.—The sixth annual report, to be submitted to the annual meeting at the Royal Horticultural Hall, Westminster, S.W., on May 11, shows a slight diminution in membership. Reference is made to the co-optation of Mr. A. Upson, J.P., Maidenhead, and to the publication by the Spectacle-makers' Company of a directory of qualified opticians. The hope is expressed that an elected Trades Council may result in still further uniting the S.M.C. with the craft for which it has done so much. The accounts show that 96*l.* was received in subscriptions from members, associates, and assistants. The expenditure includes printing, stationery, and official organ, 56*l.* 17*s.*; clerical assistance, 19*l.* 10*s.*; and postages, 10*l.* 6*s.* 11*d.* There is a balance on the year of 6*l.* 4*s.* 9*d.*, which, added to that of 1908, makes a total of 32*l.* 8*s.* 5*d.* The annual meeting is to be held at 3 p.m., and will be followed by a paper on "Myopia" by Mr. Lionel Laurance.

Portsmouth Pharmacists' Association.—An extraordinary meeting was held at the Pembroke Road Rooms on Wednesday afternoon, May 4, when a long and varied agenda was disposed of. Mr. W. A. Bell (Vice-President) was in the chair. The first matter for consideration was a suggestion that the British Pharmaceutical Conference be invited to Portsmouth in 1911. Mr. Barlow (Secretary) read correspondence which had passed between himself and some of the Conference officers, and he gave an account of his personal experiences at the Newcastle Conference. On the motion of the Chairman it was unanimously agreed that the Conference be invited. A guarantee fund of nearly fifty guineas for local expenses was subscribed by members present, and this will be added to. The British Association will meet in Portsmouth in August 1911. Should the Conference accept Portsmouth's invitation, the dates fixed will probably be July 24, 25, and 26. The arrangements at present are in the Association's committee, consisting of Messrs. White, Bell, Cruse, Rogers, Barlow, Baker, E. H. Smith, Donaldson, Greswell, Postlethwaite, Sparrow, and Tremlett.

Chemists' Assistants' Association.—The annual general meeting was held at 73 Newman Street, London, W., on Thursday evening, April 28. The first business was the election of the Council, and Messrs. Lownsbrough and Kienel were appointed scrutineers. In his valedictory address, Mr. Loxley (President) announced that, owing to several subscriptions being outstanding and some dance-tickets unpaid, the audit could not be completed for this meeting, but it will be submitted at an extraordinary meeting. He referred to the small attendances which had been evident throughout the session, and suggested several causes for this. The programme for the session had been one of particular interest, and the necessity of affording lecturers a better welcome at the meetings by a fuller attendance of members was strongly urged. The scrutineers then announced the result of the vote. Seventeen nominations were made for membership of Council, and the voting resulted in the following being elected: Messrs. F. L. K. Loxley, A. R. Arrow-smith, H. Grange, A. Barbour, A. Latreille, F. W. Crossley-Holland, E. Thompson, F. Haigh, A. S. Peake, L. Gwatkin, F. Phillip, C. B. Mitchell, F. J. R. Bennett, and G. A. Tocher.

Edinburgh C., A., and A. A.—The thirty-second session of the Edinburgh Chemists', Assistants', and Apprentices' Association was concluded on April 27 with the annual business meeting, held at 36 York Place, Edinburgh, Mr. Edward J. Brown, Ph.C., presiding. Mr. J. Douglas Watson (Secretary) submitted the annual report, which indicated that the session had been very successful. The membership showed an increase of seven over the previous year. The report was unanimously adopted. Mr. A. Collyer (Treasurer) submitted the financial statement, showing a balance of 14*s.* 5*d.* in favour of the Association. This also was adopted, and Messrs. Crowden and A. Murray, the auditors, were thanked. The following office-bearers were elected for the ensuing session: Messrs. E. J. Brown, Ph.C., President; J. Douglas Watson, Vice-President; A. Blackhurst, 115 Princes Street, Secretary; George Orr, Assistant Secretary; A. Collyer, Treasurer; Committee, Messrs. Currie, Elliot, Hamilton, McEwan, Mackie, Murray, Rowland, and Tait; Prize Committee, the President, Vice-President, Secretary, and Messrs. Currie, Murray, and McEwan. One guinea was voted to the Benevolent Fund of the Pharmaceutical Society as an acknowledgment of the privilege of meeting in the Society's House.

Dewsbury Chemists' Association.—A meeting was held on Monday evening, Mr. R. Broadhead (President) in the chair. There were also present Messrs. R. Gledhill, G. N. Gutteridge, J. Rhodes, W. Blakeley, J. Day, S. N. Pickard, A. B. Barker, J. Mortimer, and Geo. Walker (Secretary). Mr. Pickard, referring to the last meeting, said the President had not "severely criticised" U.C.A.L., as reported. The Secretary explained that he had not used the word "severely," while the President said his criticism was purely of a constructive and not a destructive character. The Secretary then read a communication from the Chemists' Defence Association regarding chemists' witness-fees (*C. & D.*, April 9, p. 543), and Mr. Blakeley, who had instituted the C.D.A.'s action, said he had since been in communication with Mr. G. R. Cooke, the Birstall representative on the West Riding County Council, and that gentleman had kindly undertaken to bring the subject forward at the next meeting of that body. Mr. Blakeley added that it was unfair to expect a chemist to sacrifice anything up to 1*l.* to serve the interests of the British public. (Hear, hear.) Messrs. Pickard, Broadhead, Day, and Gledhill also spoke, and it was resolved that the President and Secretary be empowered to draw up a resolution on the subject and forward the same to the County Council. The meeting next considered the claims of the Pharmaceutical Council candidates, and it was decided to leave the members free to vote for whom they chose.

Manchester Pharmaceutical Association.—At a Council-meeting on Wednesday, April 27, Mr. Grier (Secretary) reported that fifteen poison-licences had been granted by the City Council to seedsmen and florists, and all save one had on March 31 been renewed for one year. No licences had been granted by the Corporation of Salford. The following letter was also read:

Dear Sir,—In reply to your letter of yesterday's date, I beg to inform you that our inspectors are not refusing to pass the weighing instruments you mention (*i.e.*, French box scales), provided they are correct, and are sensitive to the amounts laid down by the Board of Trade. The allowances for error and sensitiveness are shown on Table I. on the copies of notices which are enclosed herewith. If any members of your Association are at any time in doubt as to whether their weighing appliances comply with the regulations, and will confer with me, I shall be pleased to give them all possible information.

Yours faithfully,

(Signed) GEO. B. COLE,
Chief Inspector.

J. Grier, Esq., Hon. Secretary,
Manchester Pharmaceutical Association.

The following gentlemen were appointed delegates to the Cambridge meeting of the B.P.C.: Messrs. G. S. Woolley, Blackburn, Pidd, Barlow, C. A. Johnstone, G. Hughes, Franklin, Bates, Kidd, Kirkby, Blain, Wild, Lane, and the Secretary; Messrs. G. Hughes, Pidd, and Grier to act also as delegates to the Federation meeting there.

Thames Valley Pharmacists' Association.—The annual meeting was held at the Thames Valley Café, Kingston-on-Thames, on Wednesday, May 4, Mr. Harvey (President) in the chair. The annual report and financial statement were submitted and adopted. The accounts presented by the Treasurer (Mr. Alfred Higgs, J.P.) showed income 68*l.* 12*s.* 6*d.* and expenditure 59*l.* 3*s.* 4*d.* After the election of the committee for 1910-11, the meeting discussed the arrangements for the year, and the following meetings were fixed:

1910.
June 22. Launch trip (whole day).
Oct. 12. General meeting.
Nov. 23. Whist-drive or social evening.
Dec. 14. General meeting.

1911.
Jan. 25. Whist-drive or social evening.
Feb. 22. General meeting.
Mar. 22. General meeting.
April 26. Annual dinner.

A letter was read from the Western Pharmacists' Association asking for the support for Mr. Edmund White at the coming Council election, and this was recommended to the members. Messrs. Neathercoat and Woolcock were appointed delegates to the British Pharmaceutical Conference. Subsequently a meeting of the new committee was held and officers elected as follows: President, H. E. Clement (Hampton Hill); Vice-Presidents, F. Harvey (Surbiton) and E. T. Neathercoat (Weybridge); Hon. Treasurer, A. Higgs, J.P. (Kingston-on-Thames); Hon. Auditor, C. J. Palmer (Twickenham); Hon. Secretaries, O. R. Windemer (Surbiton) and W. H. Peake (Twickenham). It was decided that the launch-trip this season should be a whole-day trip, and that the Western and Croydon Associations be invited to join. It is proposed to take train from Paddington to Cookham, and thence by launch to Kingston, alighting at Windsor for lunch and Chertsey for tea. A sub-committee, consisting of Messrs. Clement, Harvey, Higgs, and Windemer, was appointed to carry out the arrangements. The retiring President was cordially thanked for his services.

Preston Chemists' Association.—A meeting was held at the Park Hotel, Preston, on Thursday, April 28, when Mr. Thos. Ridley, of Carlisle, a candidate for the Pharmaceutical Council, by invitation delivered an informal address. The greater part of this was devoted to the Poisons and Pharmacy Act, 1908, through which, he considered, chemists had lost the substance of their living and gained the shadow. He recalled the deputation of Cumberland chemists to the Pharmaceutical Council last year, when he was one of the number, and expressed the opinion that if agricultural chemists had been represented on the Council things might have been very different. He dealt with other subjects, and favoured territorial representation on the Council and federation of the existing local Associations to the Pharmaceutical Society; also inspection under Section 2 of the Poisons and Pharmacy Act, 1908, in conjunction with an organising secretary of the Society, so that wrong-doers may be brought before the officers of the law. Mr. Burnett proposed: "That this meeting of chemists pledges itself both individually and collectively to support the candidature of Mr. Thos. Ridley in the coming Council-election of the Pharmaceutical Society." He said that, as he had known the sterling qualities of Mr. Ridley for a great many years, he had begged the privilege of moving this resolution. He deprecated the 1908 Act, speaking critically of what Mr. Glyn-Jones had said and done in that matter, and dealt with other grievances. Mr. Livesey seconded the motion, which Mr. Walmsley supported, and it was carried unanimously. Mr. Topping then spoke in regard to pressing for the restricted sale of medicated wines and spirits to chemists. Mr. Macdonald suggested that the Secretary of the Pharmaceutical Society ought to be a qualified chemist, and that, if an organising secretary be appointed, he too ought to be a qualified chemist. Mr. Ridley, after answering several questions, stated that in Carlisle almost all the dispensing was done by the chemists. He proposed a vote of thanks to the Chairman (Mr. Williamson), who acknowledged the compliment. After refreshments, the business of the annual general meeting was dealt with. The Association recommended the members to support Messrs. Ridley, Gifford, and Hagon. The Treasurer's financial statement showed an increase on last year. It was adopted. Correspondence was read, and the retiring officers were thanked for their services and unanimously re-elected, viz.: Mr. F. A. Williamson, President; Mr. C. A. Arkle, Vice-President; Mr. J. F. Burnett, Treasurer; Mr. H. S. Freeman, Hon. Secretary. Consideration of a picnic was adjourned.

Irish Chemists' Assistants' Association.

A GENERAL MEETING of the Dublin Branch was held on April 27 in the Club-rooms, 12 Harcourt Street, Mr. W. Leach Young, Ph.C., in the chair. The Secretary reported that the Association has in hand a sum of over 30*l.* The list of supporters included S. Maw, Son & Sons (5*l.* 5*s.*), Southall Brothers & Barclay (microscope), THE CHEMIST AND DRUGGIST (set of books), Allen & Hanburys (5*l.*), Ayrton & Saunders (5*l.* 5*s.*), Armour & Co. (specimens), Oppenheimer, Son & Co. (1*l.* 1*s.*), May, Roberts & Co. (2*l.* 2*s.*), Hayes, Conyngham & Robinson (roll-top desk), Owbridge & Co. (timepiece), Angier's Chemical Co. (1*l.*), Harvey & Co. (1*l.* 1*s.*), Robert Gibson & Co. (1*l.* 1*s.*), Coleman & Co. (1*l.* 1*s.*), Ingram & Royle (1*l.* 1*s.*), Duncan, Flockhart & Co. (2*l.* 2*s.*), Apollinaris Co. (1*l.* 1*s.*), Thomas Beecham (1*l.* 1*s.*), Sanitas Co. (1*l.* 1*s.*), J. C. Eno (1*l.* 1*s.*), Wright, Layman & Unney, Ltd., Burroughs Wellcome & Co., and Boileau & Boyd, Ltd.

SHOP HOURS.

The Chairman said a circular had been issued to employers stating that for some time past the Association had been in communication with the Dublin Retail Chemists' Association regarding the shortening of hours, and that the general sympathy accorded to the movement had encouraged the assistants to appeal to the entire profession for co-operation. Working-hours are unnecessarily long, and employers were asked to consider the following proposals:

- (1) Are you in favour of closing your establishment at 9 p.m. on Mondays to Fridays and at 11 p.m. on Saturdays providing that other chemists in your district follow suit?
- (2) Are you in favour of allowing your assistants a half-holiday per week on any day mutually agreed upon?
- (3) Are you in favour of keeping your shop closed on Sunday? Urgent orders or medicines to be supplied.

The general acceptance of the proposals would, it was pointed out, bring Dublin into line with the other cities in the United Kingdom. The notice, though only sent out a few hours prior to the meeting, had, the Chairman said,

brought in twelve answers, all of which were in sympathy with the project. (Cheers.) He hoped before the next monthly meeting to have twelve times twelve such answers.

Mr. W. F. Wells wrote calling attention to the Fairchild Scholarship and Prizes Competition. The letter was much appreciated, and it was hoped that many members would compete for the prizes.

Mr. J. H. McManus was appointed Hon. General Secretary, and Mr. Higgins Hon. Assistant Secretary. Dr. Healy, Ph.C., of the Dispensary, Grand Canal Street, Dublin, and Mr. William Leach Young, Ph.C., were elected respectively the first President and Vice-President of the Association.

Mr. George Brown, Ph.C., lectured on "Pharmacy and Examinations" on May 6.

BELFAST BRANCH.

On April 27 the first social function of the Belfast Branch of the Irish Chemists' Assistants' Association was held in the rooms in Victoria Square, Belfast. The chair was occupied by Mr. James Gregg, M.R.C.V.S., a popular member of the City Council, who congratulated the Association on the success which it had attained since its formation in February. A musical programme was then gone through. Mr. Cahal O'Byrne and Mr. J. Clarke contributed recitations. Songs were given by Mr. J. B. Strain, Mr. J. Patterson, Mr. E. Beech, and Mr. Morrison. The accompanists were Messrs. Beech and Patterson.

Glasgow and West of Scotland Chemists' Association.

THE annual meeting was held in the Regent Tea Rooms on April 28, Mr. J. P. Gilmour presiding in the absence of the President (Mr. J. W. Sutherland).

THE PRESIDENT'S ILLNESS.—Mr. A. McMillan (Secretary) read a letter from Mr. Sutherland, who desired, on account of the restrictions put upon him by his medical adviser, to retire from the committee, and not to be appointed to any office for the present. Mr. Gilmour expressed the regret of the meeting at the indisposition of Mr. Sutherland, and moved that a resolution be drafted recording their high appreciation of his services, their deep regret at his enforced temporary retirement, and their sincere wish that he would speedily be restored to his wonted health and vigour. The motion was unanimously adopted.

PHARMACEUTICAL COUNCIL ELECTION.—The Secretary intimated receipt of a number of communications on behalf of candidates for the Pharmaceutical Council. The Chairman remarked that, curiously enough, the number was thirteen, which was regarded as an unlucky number. (Laughter.) It was evident that they were suffering from an embarrassment of riches. Whatever they might do in support of the other candidates, the duty rested upon them of very heartily supporting the candidature of Mr. W. L. Currie, the Vice-President of the Council. He thought there was very little fear of Mr. Currie being defeated, but it behoved them to leave nothing to chance. —Mr. Currie said it was a matter of doubt with him for some time whether he would allow his name to go forward, but after due consideration he had decided to place himself once more at their disposal. (Applause.)

THE ANNUAL REPORT was then submitted by the Secretary. This stated that the outstanding feature of the session was the opposition to the granting of poison-licences, and the issue of a Formulary circular to the medical men of the district. (This is a handsomely printed four-page folder in red and black ink, with specimen formulæ, and the names of wholesalers who furnish free samples.) Reference was also made to the pharmacy classes at the Glasgow Technical College. The Trade Committee reported to the Council the subjects which had engaged his attention, including the prices of specialties such as Apenta, Elliman's embrocation, and Rimmel's vinegar. The committee also issued to the members a recommendation as to the price of glycerin.—Mr. Anderson Russell, in moving the adoption of the report, referred to the fact that the membership is now 120, and said they should have little difficulty in raising the number to 200.—The report was adopted.

ELECTION OF OFFICE-BEARERS.—Mr. Gilmour nominated Mr. James Lennox as President.—Mr. Currie seconded, and Mr. Lennox was unanimously elected. He assured the members that he would do his best worthily to maintain the traditions of the office, although he thought that would be difficult, as his predecessor is President of the C.D.A., his predecessor, chairman of the North British Branch, and the one before him, Vice-President of the Pharmaceutical Society. Other office-bearers were elected as follows: Vice-Presidents, Messrs. W. Forgie and Moir; Secretary, Mr. Anthony McMillan; Treasurer, Mr. Hart; Librarian, Mr. Peter Irvine; Council, Messrs. Guthrie (Clydebank), McCowan (Paisley), McKay (Kilmarnock), Russell (Greenock), Taylor (Motherwell), A. McEwen (Cathcart), J. P. Gilmour, W. L. Currie, D. Black, J. Crombie, R. W. Inglis, R. Dickson, J. H. Smith, J. H. Riddell, and J. Mitchell Wilson; Auditors, Messrs. George McKay and George S. Kitchin.

ANNUAL EXCURSION.—The arrangements for the annual joint excursion with the Edinburgh Association, which are this year in the hands of the Glasgow Association, were next discussed, and various suggestions were offered, but eventually the matter was remitted to the Council.

N.U.A.P.

A MEETING of the London branch of the National Union of Assistant Pharmacists was held at St. James's Tavern, Westminster, London, S.W., on April 28, to forward the candidature of Messrs. Dowty and Waldron for the Pharmaceutical Council. Mr. Kirby was in the chair, and was supported by Mr. R. Winfrey, M.P., and Messrs. Smith (President N.U.A.P.), Waldron, and Bullen. About fifty gentlemen were present. Mr. J. J. B. Waldron, in his address, dealt first with the master pharmacist, stating that the majority of employers did not approve of the Pharmaceutical Society's methods, and were members on principle, not for any benefits derived. He referred to the attitude of the Society in the past of making a dead set against certain members, and also harassing certain chemists by prosecutions, while several "swell shops and wholesale houses" were not interfered with, probably on the principle that they were too strong to go for. In the present day, he continued, many qualified chemists must remain assistants, and it was only logical that they should have direct representation on the Council. Dealing with apothecaries' assistants, Mr. Waldron said that if employers cared to be unscrupulous, a clause might be put in allowing them to be registered as chemists, subject, possibly, to them remaining assistants. In concluding, Mr. Waldron said that Judge Parry, in his play, "The Servant of the State," makes Sir Codling Stickphast, the President of the Board of Red Tape (who was likened to the President of the Pharmaceutical Society), say, "If the head of a Government office can keep things from happening, he can stick it for ever and ever." Such, he added, was the position of the Society. The management of its affairs he compared with the Council of Ten of the Doge of Venice, which was controlled by the Council of Three. The Union desired to get hold of the Three.

Mr. R. Winfrey, M.P., then spoke in support of a resolution endorsing the candidature of Messrs. Dowty and Waldron. He said that during years of public life one is inclined to get pessimistic, but when he heard of the formation of a trade union among assistant pharmacists, he felt that the world does move after all. He was groping after the same thing thirty years ago, when, as President of the Chemists' Assistants' Association, he tried to introduce into that Association's meetings trade topics in preference to scientific discussions. His only communication to that Association, besides his two presidential addresses, was on "The Coming Democracy." He believed the Union were doing the right thing in combining together, for all organisation of labour is good. He gave details of the organisation of agricultural labour, and added that in these days of fierce competition, and often of too strong individualism, organisation is essential, for if not one must become a member of a sweated trade. He had never put great store upon the Poisons and Pharmacy Act, accepting it as the lesser of two evils; but he was glad to find that their President had stated, as he had confidently

anticipated himself, that the status of the qualified assistant was improved by the Act. Large capitalist combinations must mean more managers and assistant pharmacists. The pharmaceutical world had greatly changed since his assistant days, when the assistant looked forward with reasonable certainty to going into business himself. All the Union had got to do was to put the qualified man in the same good position as he would be if in business for himself, and as capitalists were satisfied with moderate returns of 6 to 8 per cent. on their capital, there was no reason why the assistant pharmacist should not be in a better position than if in business on borrowed capital. At least he had less worries. He himself had left pharmacy because of the long hours. His father provided him with money to set up in business, but having tasted freedom he could not go back to unnecessary confinement, against which he had chafed, for there was no reason why the hours of labour in the pharmacy should not be curtailed. He believed in higher qualifications, but he contended that the Pharmaceutical Council had no right to increase the stringency of the qualifying examination unless they were prepared to provide a *quid pro quo* and to give a proper status to pharmacists. The Pharmaceutical Society ought to have tackled long ago the problem of dispensing by the doctor's groom or chauffeur, which was such a monstrous anomaly, and which only needed showing up. One reason why he hoped Messrs. Dowty and Waldron would get on the Council was that if they did not get what the Union desired, "they would kick up a row, and that does a powerful lot of good." The Pharmaceutical Society should legislate for all members, and it stands to reason that all classes should be included in its Council. Mr. Winfrey concluded with advice to the Union to agitate and to have a paid organiser as soon as they could afford one.

Mr. Bullen called attention to the tendency among company chemists to reduce the salaries of their qualified assistants and employ cheap labour. Messrs. Town, John, and Bennett also spoke in favour of the resolution, all showing a desire to reform the Society for its own good. Mr. Smith gave electioneering details, and called for financial support. The resolution was then carried unanimously. Votes of thanks were accorded to Mr. Winfrey, Mr. Waldron, and the Chairman. Various sums were given towards the Election Fund, Mr. Winfrey providing a welcome surprise by subscribing 2l. 2s.

CHELTHENHAM BRANCH.

A meeting of pharmacy employes in Cheltenham was held on Friday, April 29, to consider the desirability of forming a branch of the N.U.A.P. Mr. J. M. Dowty was voted to the chair and gave an account of the Union, after which there was some discussion, and the following resolution was unanimously carried:

That this meeting of Cheltenham Pharmaceutical employes are of the opinion that a Union is essential for progress, and, being in full sympathy with the policy of the N.U.A.P., do form a branch of that Union, to be known as "The Cheltenham and District Branch of the N.U.A.P."

Mr. J. M. Dowty, Melrose Villa, Grosvenor Street, Cheltenham, is Secretary *pro tem*.

SHEFFIELD BRANCH.

A meeting was held at the Temperance Hotel, Townhead Street, Sheffield, on May 3. Amongst other business transacted was the carrying of the following resolution, moved by Mr. Auger, and seconded by Mr. Dickinson:

"That this meeting would welcome the institution of a paid organising and general secretary in the future, when funds permit."

Where to Study.

The following are advertising in this issue:

- Muter's (South London) School of Pharmacy, 325 Kennington Road, London, S.E.
- London College of Chemistry, 323 Clapham Road, London, S.W.
- Liverpool School of Pharmacy, 18 Colquitt Street, Liverpool.
- North of England School of Pharmacy, 55 Northumberland Street, Newcastle-on-Tyne.
- Bath and West of England College of Pharmacy, Cleveland Place, Bath.
- Chas. Harker, 239 Chapter Road, Cricklewood, London, N.W.

Coming Events.

This Section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Monday, May 9.

Chemists' Exhibition, Royal Horticultural Hall, Vincent Square, Westminster S.W., at 12 noon. Opening by Mrs. John C. Umney. The Exhibition will be open daily up to Friday (inclusive) from 11 A.M. to 10 P.M.

Tuesday, May 10.

National Union of Assistant Pharmacists, Glasgow Branch, The Shepherd's Hall, 25 Bath Street, at 9.15 P.M. Election of officers and address by Chairman.

National Union of Assistant Pharmacists, Sheffield Branch, Temperance Hotel, Townhead Street, at 9 P.M. Annual general meeting and election of officials.

Wednesday, May 11.

Wolverhampton Chemists' Association, Star and Garter Hotel, at 8.30 P.M. Ordinary meeting.

Society of Chemist-Opticians, Royal Horticultural Hall, Vincent Square, Westminster, S.W., at 3 P.M. Annual meeting, followed by lecture by Mr. Lionel Laurance on "Myopia."

North Kent Pharmacists' Association, Royal Horticultural Hall, Vincent Square, Westminster, S.W., at 6.15 P.M. Annual general meeting and election of officers.

Society of British Dentists, Holborn Restaurant, London, W.C., at 8 P.M. Paper by Mr. A. Gask, L.D.S., entitled "A Vindication of Cocaine," and a discussion on the Home Office Departmental Committee's report on anaesthetics.

Friday, May 13.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Professor W. H. Bragg on "Radioactivity as a Kinetic Theory of a Fourth State of Matter."

FAIRCHILD SCHOLARSHIP AND PRIZES.—The examination for these will be held in London, Manchester, Dublin, Edinburgh, and Cardiff in the last week in June, and candidates who intend to sit for it are required to give notice in writing, not later than June 1, to the Secretary, Mr. A. E. Holden, Albert Chambers, 64 and 65 Holborn Viaduct, London, E.C., from whom application-forms should be obtained beforehand.

At the Counter.

"CADGE I PUTI OIL" was what a Birmingham iron-monger wrote to a neighbouring chemist for. He got it, of course.

FUN FOR EDWARDS.—Smartly dressed lady steps out of motor, and enters chemist's shop:—"Will you please give me a free sample of Harlene?" Obliging Chemist:—"Certainly, madam. Is there anything else I can do for you?" Smart Lady:—"Well, yes, you see I have had a good many of these samples, and I should like to know how much you will give me a dozen for the empty bottles!"

WEST HARTLEPOOL is a good place for chemists to live in, so far as smiles are concerned, if we may judge from the following list of articles in common request:

- | | |
|-----------------------------|-------------------------------|
| 2l. Daekers parriers food. | 1l. parego. |
| Rimany Oil. | 1l. Seed Dick Acid. |
| Tincture of duach. | 1l. Rodiline. |
| Tincture of minia. | 1l. Ueliptus. |
| 1l. rose water, not vently. | 1l. stuff for dyre baby 1 yr. |
| 1l. rush health salt. | Influzia powder. |
| Eauculitus oil. | 1l. fillergron pills. |
| 1l. Walkum. | 1l. By Mackintosh potash. |
| 1l. Enoin seed. | Rectifdy babter. |
| Bonecana. | 2s. 3d. bottle Anulana |
| Bizze Liekin salve. | Mulsin. |
| 1l. Grinhard water. | 1l. Red venila. |
| Nasatia powder. | Hopudlina. |
| 1l. brackitt ointment. | Pagarnate Pottas. |
| 1l. slip alam. | Tincher of gum you ecuman. |
| Hg ipucum anny wine. | Rush shell salts. |
| Calmalgimated potas | Conderfluite. |
| Aproben bark. | |

Mr. John Emerson has compiled the list from "wants" that have been satisfied at his counter during the last eighteen months.

Trade Report and Market Review.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are obtained for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at these prices.

42 Cannon Street, London, E.C., May 5.

Business in drugs and chemicals does not show any appreciable change in conditions, the bulk of transactions being for small quantities. The chief alteration has been a sharp decline in chloral hydrate as the result of dispute among makers, who will only sell for prompt delivery. Cream of tartar is strong and dearer; tartaric acid steady, while some profess to believe that an improvement cannot be far off. A little speculative movement of short duration has been a feature in quinine. Castor oil is substantially lower. Ergot is firmer. Among chemicals, carbolic acid is also firmer. Copper sulphate is weaker, lower, ammonia sulphate being easier. Quicksilver weaker in second-hands. Shellac is tending firmer. Cod-liver oil continues easy on good Finmarken fishing. The chief alterations are as under:

Higher	Firmer	Easier	Lower
Asafetida	Carbolic acid	Ammonia sulphate	Castor oil
Chloral hydrate	Ergot	Cascara sagrada	Chloral hydrate
Coca-leaves	Quinine (W. I.)	Quicksilver (seconds)	Copper sulphate
Cream of tartar	Tamariuds		Ipecacuanha
Ice			
Meigs			
Opium			

Cablegrams.

MYRNA, May 5.—Sales of opium amount to 60 cases Karabear to the Dutch Indian Government at the parity of 1. 6d., and 10 cases for England at 16s. 6d. per lb. for 1 per cent.; market is very firm.

BERGEN, May 4.—The cod fishing at Finmarken in the northern districts is good, but that in the west is poor. The market for finest, non-congealing Lofoten oil remains easy at the equivalent of 105s. 6d. per barrel, c.i.f. terms.

NEW YORK, May 5.—Business in drugs is quiet. Opium steady at \$5.60 per lb. for druggists' by single cases. Cascara sagrada is firmer at 7½c. for new, and 8½c. for old bk. Peppermint oil in tins is dull at \$1.90 per lb. Cocoa aloe in cases is higher at 9c. Asafetida is nominal at \$1 per lb. Spearmint oil is steady at \$1.80, while hydrastis (golden seal) and copaiba balsam are unchanged.

AMSTERDAM, April 28.—At the auction of cinchona held to-day, 6,595 packages were offered, of which 6,371 packages sold at an average unit of 3.51c. per kilo., against 3.14c. paid at the March auction. The following were the approximate quantities of quinine purchased by the factories: (1) The English and American factories, 608 kilos.; (2) the Brunswick factory, 2,646 kilos.; (3) the Mannheim factory, 2,292 kilos.; (4) the Amsterdam factory, 1,123 kilos.; (5) the Frankfurt and Stuttgart factories, 3,550 kilos.; (6) the Maarsen factory, 34 kilos.; (7) various buyers, 13,625 kilos. The lowest price paid for manufacturing-bark was 7c. and the highest 3½c., while for druggists' bark from 4½c. to 37½c. was paid. The 300 packages coca-leaves sold at from 54c. to 70c. per half-kilo. [This cable was received too late for our last issue.]

London Markets.

ACID, CARBOLIC, is firmer, with 34° to 35° C. crystals offering at 3½d. and 39° to 40° C. at 3½d. per lb.

ACID, CITRIC, is firm, with English offering at 1s. 4½d. to 1s. 4½d. and foreign 1s. 4½d.

ACID, TARTARIC.—Steady at 10d. for English and 9½d. for foreign. According to the "Chemiker Zeitung," the extremely low prices ruling as the result of competition are causing a severe loss to makers, and in view of the dearth of raw material an advance of several marks per 100 kilos. is regarded as imperative. Our contemporary hopes that even in view of foreign competition in Germany the general situation will improve.

ARROWROOT.—Steady. At auction 420 barrels St. Vincent offered, and 45 sold at 2d. for fair manufacturing quality; 10 half-barrels Bermuda were bought in at 2s.

CANTHARIDES.—Business has been done for export at 10d. per lb. for Chinese. In auction 5 cases China were held at 1s. 1d. per lb. net.

CASCARA SAGRADA.—Writing in regard to the statement in our issue of April 16 that "strong advices continue to be received from New York," etc., a Philadelphia firm, whose good faith we do not doubt, point out that any such advices are intended solely for the purpose of making a higher market in order to unload present holdings and replace the same at lower prices from the new crop. In their opinion there is quite a quantity of old bark in different holders' hands, carried over as the result of speculation, begun two or three years ago, which has proved a failure: this bark can be bought at a comparatively low price; for some time past strictly prime bark of 1909 crop in ton lots has been offered at 7c. per lb. f.o.b. Philadelphia. In auction 116 bags 1909 growth offered, and 25 sold at 33s. for fair, gross for net without discount; a further 80 bags of 1907 were held at 35s.

CHLORAL HYDRATE.—A dispute among the makers has led to the considerable reduction of about 1s. 2d. per lb., and at the moment there are offers of crystals in jars at 1s. 2d. per lb. net, no discount *in bond*, without engagement. This price is for prompt delivery only, contracts not being entertained. Present rates are of course quite unremunerative to makers, and it is possible that some agreement may be come to later.

CINCHONA.—The exports from Java to Europe during April amounted to 1,578,000 Amst. lb., against 1,279,000 Amst. lb. in April 1909; the total shipments from January to April 1910 have been 5,029,000 Amst. lb., against 4,206,000 Amst. lb. in 1909.

CLOVES.—At auction 425 bales Zanzibar were bought in at 5d. Privately the market for delivery is steady, but quiet, the small sales including August-October at 5½d. For arrival there are buyers of September-November and October-December shipment at 4¾d. c.i.f. d/w. Privately small sales have been made at 5½d. per lb. spot.

COCAINE.—The exports of crude from Peru (according to a British Consular report just issued) were valued at 66,630/. in 1907 and 79,071/. in 1906. The average for the years 1902-5 was 105,344/.; later figures are not available.

COPPER SULPHATE continues to decline. Liverpool makes offering at from 17l. 17s. 6d. to 18l. 5s. per ton.

CREAM OF TARTAR is dearer, 93 per cent. powder offering at 78s. and 95 per cent. at 76s. per cwt. Demand is good, and makers find a difficulty in effecting delivery.

CUBEBS continue very scarce, with small sales at practically 10l. per cwt. on the spot.

ERGOT is firmer at from 1s. 4½d. to 1s. 5d. for Russian and 1s. 7d. for Spanish on the spot. Unusually quiet conditions have prevailed in this drug for several months.

FORMALDEHYDE is quoted at 37s. 6d. per cwt. in barrels, ex warehouse London.

GINGER.—Quiet. At auction 105 barrels and 133 bags Jamaica were bought in at from 51s. to 64s. for ordinary small dark to good middling; 264 bags Cochín and Calicut were also bought in, comprising fair washed rough at 52s. Privately small sales of D rough and cuttings have been made at 45s.

INDIARUBBER.—At the close of last week the market for hard fine Para declined a further 2d. to 3d., value of spot and near at hand, closing at 11s. 4d. per lb. nominal, and since then a further fall has taken place, value on Wednesday closing at 10s. 6d. spot and near, with sales of May-June down to 10s. 4d. and since at 10s. 6½d., closing 10s. 5d. value. The auction on Tuesday proved a fiasco, the 195 tons offered being practically withdrawn, owing to the concerted efforts of buyers, who after making unacceptable bids, abstained from bidding altogether, thus bringing about a deadlock which brought a severe remonstrance from a leading broker. After a series of conferences it was ultimately arranged to offer the catalogues intact on Monday at 11 o'clock. Many conclusions can be drawn from this action on the part of buyers, but its immediate effect was a severe temporary slump in rubber shares, which suited the Stock Exchange "book" to a nicety.

INSECT-FLOWERS.—Quotations from Trieste come steady at the recent decline, with a more active demand. Good to fine closed Dalmatian flowers are offered at from 150s. to 170s., half-closed at 115s. to 150s., and open at 90s. to 110s. per cwt. c. and f. London.

LIQUORICE-JUICE shows an advancing tendency at 61l. per ton, c.i.f. U.K. ports.

MADE SALT at an advance of ½d. to 1d. per lb. for West Indian, 30 packages of which realised from 1s. 9d. to 1s. 10d. for palish to pale, 1s. 8d. to 1s. 9d. for pale and reddish, and 1s. 7d. to 1s. 8d. for fair red.

MORPHINE.—Very firm; the makers' quotation for hydrochlor. powder being 8s. per oz.

NUTMEGS.—West Indian at auction sold at an advance of ¼d. per lb. for small to medium and from ½d. to 1d. advance for large nuts.

OIL, CASSIA.—Quiet at 3s. 9d. for 80 to 85 per cent., 3s. 7½d. for 75 to 80 per cent., and 3s. 6d. per lb. for 70 to 75 per cent., spot.

OIL, CASTOR, is lower. Hull make of first pressing offering at 32l. per ton in barrels for June-December delivery, free on wharf London. Belgian firsts is 32l. for prompt and 32l. for June-December, ex wharf London. For finest French medicinal 40s. is quoted in cases, and 37s. 6d. in barrels, ex wharf London.

OIL, CITRONELLA.—Sales of Ceylon to arrive have been made at 11½d. per lb. c.i.f. London. On the spot 1s. 1½d. is quoted for cases and 1s. to 1s. 0½d. for drums.

OIL, COD-LIVER.—Our Bergen correspondent writes on May 2 that the Finmarken codfishing has given a fair result during the past week, viz. 2½ million cods, with 1,100 barrels of cod-liver oil. The best results are still reported from the eastern places, but there is a decided increase in the catch for other places more towards the west. The condition of the cod's liver is now better than at the beginning of the season—800 to 2,500 kilos. of cod being required to fill an hectolitre, against 1,200 to 2,500 kilos. at the time of the first report. At the corresponding date of last year 1,000 to 2,000 kilos. was reported. The percentage of oil contained in the liver is about the same as last year—30 to 40 per cent.

The result of all the Norwegian fisheries up to date is as follows:

	1908	1909	1910
Catch of cod (millions)	37.8	45.7	39.2
Yield of cod-liver oil (barrels)...	42,000	38,000	26,800
Livers for "raw" oils (hect.)...	17,200	19,500	12,900

The market is very quiet, and there are ready sellers of non-congealing Lofoten at 105s. 6d. per barrel c.i.f. The exports from Bergen up to date amount to 3,700 barrels, against 5,030 barrels at the same date of last year.

In London prices show no material change, agents quoting from 105s. to 110s. per barrel c.i.f. terms.

An Aalesund advice of April 27 gives the following details of the catch:

Lofoten.			
	Catch of Cod	Yield of c.l.o. (hect.)	Livers, for raw oil (hect.)
1910 ..	13,900,000	13,457	1,970
1909 ..	16,800,000	20,002	2,575
1908...	13,300,000	20,095	2,860

Whole Country.			
	Catch of Cod	Yield of c.l.o. (hect.)	Livers
1910...	36,700,000	29,724	11,318
1909...	40,800,000	41,892	15,065
1908...	35,400,000	47,969	13,727

Wired advices from the same source give the catch to April 30 as follows:

	Catch of Cod	Yield of c.l.o. (hect.)	Livers
Finmarken 1910 ..	6,974,000	3,423	4,117
" 1909 ..	8,487,000	3,036	9,217
Whole country 1910.	39,200,000	31,045	12,869
" 1909.	45,700,000	44,120	19,546

OIL, OLIVE.—According to a report that has been issued the pressing of this season's crop is now completed, and it is estimated that the supply available for this year will barely meet requirements. Holders in the producing countries, especially in Spain, are withdrawing from the market, anticipating much higher prices later in the year in view of the unsatisfactory crop prospects of the coming season, due to severe frosts. It is also pointed out that other vegetable oils, such as nut oil, cotton-seed, coconut, etc., are all very dear; in fact, nut oil is about the same price as olive oil.

OPIUM remains very firm in sympathy with primary markets, but business is of quite a retail description. Spot quotations for Turkey druggists' are from 16s. to 16s. 6d. the latter for 10½ per cent.; small sales of Malatia (sof shipping) have been made at 19s., stock being extremely small. Persian is quoted 19s. spot, but without demand.

Our advices from Smyrna (April 22) include the following: "We have again to report some activity, as a large American buyer came forward offering fully 16s. per lb. for old and new druggists' Karahissar uniform and slightly. After some demur holders consented to sell at this figure, but, although 50 baskets were sold, only 37 cases were picked out by the buyers as eligible and up to buying-contract terms. Some Youghourma makers bought three baskets at 16s. for the Continent. As regards the crop, everything is satisfactory so far, and if we have a little rain all over the country during May we may safely expect an unprecedented output this season. In respect to future prices, one must not be too sanguine of a very material decline, as it must be borne in mind that old stocks are almost depleted, and consumers are more or less starving for raw material; therefore we expect to see a brisk demand from all quarters. Since writing the above, the U.S.A. bought further 63 baskets old and new uniform Karahissar at 16s. 6d."

Another correspondent, writing on April 23, reports a busy market owing to the receipt of an order for 100 cases for U.S.A. Although the buyer was prepared to pay an advance the order would not have been executed had not rain fallen at the principal producing centres. The sales comprise 15 cases old and new extra Karahissar t.q. at the equivalent of 15s. 11d., 63 cases at 16s. 2d., one case Islam Keuy at 17s. 7d. and one case current at 12s. 2d. per lb. c.i.f. European port. The 63 cases alluded to above, bought at pts. 151, have not been examined owing to the intervention of the holiday. They will be tested next week, and should any considerable quantity be rejected a rise is likely to follow.

ORRIS remains extremely scarce, and the first-hand stocks of Mogador have now been absorbed. A limited quantity is obtainable in second-hands at 27s. 6d. per cwt.

PEPPER (BLACK).—At auction 121 bags Singapore so without reserve at 3½d. for grey, being cheaper. Private the spot price for fair Singapore is 4½d. To arrive, moderate business has been done at higher prices, including June-August shipment at 3½d., July-September at 3½d. and August-October at 3½d. c.i.f. d/w.

PEPPER (WHITE).—At auction nothing was offered. Privately the demand is quiet, with fair Singapore offered at 6½d. To arrive, higher prices have been paid, the earliest including 40 tons Singapore at 6½d. for June-August shipment, 6½d. for July-September, and 6½d. for August-October shipment.

MENTO.—At auction 202 bags offered, and a few sold at from 2½d. to 2¾d. Privately sellers quoted 20s. per cwt. c.i.f. for distant shipment.

SILVER.—First is unaltered at 9½. per bottle, and seconds is 8½. 16s. 6d.

QUININE.—The 12 per cent. advance in the bark unit at Amsterdam last week was immediately reflected in the second-hand market. It is reported that between 100,000 and 150,000 oz. have changed hands up to 6½d. per oz. for Amsterdam, and 6½d. for Java, the bulk of the business having been in these brands, on speculative account. The buyers quote German sulphate at 7½d., and second-hands 7d. per oz. The demand for quinine for consumption is good, and with the opening-up of the many new rubber areas in Middle East, must continue so. It is also urged that with Java devoting its attention to rubber—a much more remunerative product—there is less likelihood of expansion of cinchona cultivation, and as the present price of quinine is extremely low the outlook points to better prices. We note the arrival of 1,400 bales of Java bark in transit for the Indian Government.

The landings in London during April amounted to 137,408 oz. and the deliveries to 43,696 oz., leaving the stock on April 30 at 3,547,088 oz., against 3,323,520 oz. in 1909.

TELLAC.—Prices show a firmer tendency on the spot, but the demand is slow, with retail sales on the basis of 66 to 67s. for fair TN orange. For arrival TN has been sold at 69s. c.i.f. for October-December shipment, while May-June shipment is quoted at 67s. 6d. Futures are dear, the sales including May delivery at 64s. 6d. to 67s., October at 69s. to 71s., and December at 70s. to 72s. In the dry-auction 17 cases sold at 63s. per cwt. net, and no discount.

Y.—The market shows an advancing tendency, owing to scarcity, and one of the leading holders requires an advance of 1d., the spot price of finest brands being from 1s. 4d. to 1s. 4½d. per gallon. It is stated that one prominent factory in China has been closed down, owing to the death of the proprietor.

HYMOL is offered at from 5s. 10½d. to 6s. per lb. net, ex warehouse London, as to quantity.

PRIMERIC.—Steady, with small sales of Madras at from 20 to 24s. 6d. spot. Sellers of Bengal ask 19s. to 20s. according to quantity.

London Drug-auctions.

At the auctions of new and second-hand drugs rather heavier supplies than usual were brought forward, but the demand, on the whole, was poor. The feature of the sale was the extreme prices paid for asafoetida on United States account. Cassia aloes sold at firm rates, but other descriptions were neglected. Buchu was firmly held, and what little sold was at a considerable advance. Sumatra benzoin is slow. Camomils proved flat, but where sold prices were irregular and easier. Good Ceylon coca-leaves are scarce and wanted, and high prices were paid for indifferent quality. Dragon's blood and gamboge were both neglected, there being practically no good reboiled on offer of the former. Jamaica hony of the new crops again sold well. Matto Grosso Ipacuanha met with a severe decline from the previous normal prices, and business privately can now be done at a much lower rate. Cartagena was also forced off at a decline. Mith and nux vomica were neglected. Rhubarb still sells at dear rates, and for sarsaparilla unaltered prices were paid for native Jamaica. Senna was without alteration, and practically no beeswax sold. The following table shows the amount of goods offered and disposed of:

Offered Sold		Offered Sold	
Acite	10 ... 0	" Beans "	267 ... 0
All men	3 ... 0	Benzoin—	
Alp		Palembang	25 ... 0
Cape	88 ... 75	Siam	5 ... 0
Cacao (bxs.)	49 ... 14	Sumatra	227 ... 49
Cotinine (kegs)	29 ... 0	Buchu	27 ... 5
Zanzibar (cs.)	25 ... 0	Camphor—	
Ammoniacum	26 ... 4	Ch. cr.	4 ... 0
Anito-seed	45 ... 0	Jap. ref.	10 ... 0
Apot kernels	14 ... 0	Cannabis indica	13 ... 4
Art	24 ... 0	Cantharides	5 ... 0
Asafoetida	127 ... 29	Cardamoms	413 ... 178
Ba fruit	5 ... 0	Cascara sagrada	196 ... 25
Bam—		Cascarilla	16 ... 0
Bu	4 ... 0	Cashew-nuts	99 ... 0

Offered Sold		Offered Sold	
Cassia fistula	6 ... 0	Oil—	
Chamomiles	9 ... 9	lime	18 ... 0
Citral (bott.)	80 ... 0	orange (pkgs.) ..	6 ... 0
Coca-leaves	119 ... 21	peppermint	20 ... 0
Colocynth and pulp	32 ... 11	rose, E.I. (pot) ..	1 ... 0
Cuttle-fish bone	80 ... 10	Olibanum	21 ... 0
Dragon's-blood	28 ... 0	Opium	3 ... 0
Ergot	15 ... 0	Orange-peel	37 ... 10
Fennel-seed	6 ... 0	Patchouli-leaves ..	19 ... 0
Galls	13 ... 0	Quillaia	50 ... 0
Gamboge	18 ... 0	Rhubarb—	
Gentian	20 ... 20	China	84 ... 46
Gum arabic	51 ... 0	Saigon	13 ... 0
Honey—		Sandalwood chips ..	6 ... 0
Australian	11 ... 0	Sarsaparilla—	
Calif.	175 ... 0	Guat. Mex. char. ..	38 ... 0
Haiti	69 ... 59	Honduras	4 ... 0
Honolulu	1 ... 0	Lima	35 ... 21
Jamaica	248 ... 159	Native	26 ... 7
St. Lucia	4 ... 4	Seedlac	101 ... 0
Ipacuanha—		Senna and pods—	
Cartagena	12 ... 6	Alex.	131 ... 48
Johore	2 ... 0	Tinnevely	158 ... 131
Matto Grosso ..	12 ... 1	Sbellac	17 ... 17
Mias	5 ... 0	Snake-root bark ..	1 ... 0
Kamala	2 ... 0	Sticklac	25 ... 25
Kino	16 ... 0	Tamariind	124 ... 54
Lime-juice	9 ... 0	Tragacanth	77 ... 77
Mastic	2 ... 0	Turneric	504 ... 0
Matico	14 ... 0	Wax (bees')—	
Menthol	9 ... 0	Benguela	34 ... 34
Myrrh	169 ... 3	Chilian	10 ... 0
Nux vomica	472 ... 0	East Indian	108 ... 0
Oil—		Jamaica	31 ... 0
cinnamon	28 ... 0	Madagascar	4 ... 0
citronella (drums) ..	2 ... 0	Morocco	16 ... 0
clove	1 ... 0	St. Lucia	4 ... 4
eucalyptus	31 ... 0	Spanish	5 ... 0
gurjun	10 ... 0	(W. I.)	1 ... 0
lavender (tins) ..	4 ... 0	Zanzibar	45 ... 0
lemongrass (pot) ..	1 ... 0	Wax veg. (Japan) ..	25 ... 0

ALOES.—Cape sold at firm rates, comprising 75 cases Mossel Bay on 20 per cent. rates, the following prices being paid: Good bright hard firsts, 33s.; fair to good seconds, 31s. 6d. to 32s. 6d.; ordinary drossy seconds, 30s. to 31s. 6d.; common drossy dull and mixed with dirt, 27s. 6d. to 28s. 6d. per cwt. Of Curaçao aloes 49 boxes offered, and 14 sold at from 47s. 6d. to 50s. for dullish liver. Zanzibar in skins were freely offered, but did not sell.

AMMONIACUM.—Some fine quality was offered, small sales of which were made at 65s. for good pale loose tear, and 45s. for small dark and dusty.

ASAFETIDA.—The phenomenal prices paid to-day were unique in the history of the "Lane." This was owing to the keen competition among several buyers for U.S.A. account. Nine cases sold at from 18½. 15s. to 20½. 15s. per cwt. for fine, mostly loose tears, mixed with almondy and pinky block; four small boxes sold at 13½. and a box at 15½. for similar quality. Five cases pinky block realised 5½. Several lots were sold subsequent to the auctions at good prices.

BALSAM PERU.—The price asked was 7s. per lb. for genuine, Umney's analysis showing s.g. 1.151, acid value 54.2, and cinnamoin content 57.7 per cent.

BENZON.—Quiet. Four cases good almondy Sumatra seconds sold at 7½. 5s. per cwt., and 57 cases Sumatra sold without reserve at from 6½. 2s. 6d. to 6½. 5s. per cwt. for fair seconds, partly old fracture, with slightly false-packed ends; common seconds sold at 5½. 10s.

BUCHU.—In auction thirteen bales and thirteen bags were offered, the good round green of which were firmly held at 3s. per lb., a bid of 2s. 11d. being refused; a bale of yellowish round sold at 2s. 9d., and three bales of small green "ovals" at 1s. 6d. per lb. Seven of the bags offered were extremely small, weighing from 28 lb. to 60 lb., and six bags 90 lb. each, whereas an average bale is from 250 lb. to 270 lb. Subsequent to the auction 2s. 11d. to 3s. was paid for several bales of good green; an odd bale of very brown mixed sold at 2s. 4d. per lb., subject at the close of the sale. The *Saron* has brought thirty-four bales and the *Dover Castle* eight bales, of which twenty-seven bales are for the Continent and U.S.A.

CANNABIS INDICA.—Four cases of East African sold without reserve at from 3*d.* to 4*d.* per lb. for ordinary pressed.

CARDAMOMS proved very flat, only first-hand supplies meeting with demand. Indian, from Calicut, good bold pale sold at 2*s.* 6*d.* to 2*s.* 7*d.*; medium and bold ditto, 2*s.* to 2*s.* 3*d.*; small and medium pale, 1*s.* 8*d.* to 1*s.* 10*d.*; rede and split, 1*s.* 6*d.* to 1*s.* 8*d.*; pickings, 1*s.* 2*d.* Mangalore good round pale, 2*s.* 11*d.*; medium to bold, 2*s.* 6*d.* to 2*s.* 8*d.*; medium, 2*s.* 3*d.* to 2*s.* 4*d.*; small and medium pale, 2*s.* 1*d.* to 2*s.* 2*d.*; small, 1*s.* 10*d.* to 1*s.* 11*d.*; tiny pale, 1*s.* 8*d.* Ceylon-Mysore, extra bold pale, 2*s.* 4*d.*; medium and bold pale, 2*s.*; small and medium pale, 1*s.* 8*d.* to 1*s.* 9*d.*; tiny, 1*s.* 4*d.*; brown and split, 1*s.*; mixed pale splits, 1*s.* 8*d.* to 1*s.* 9*d.*; bold pale splits, 1*s.* 7*d.* to 1*s.* 8*d.*; small splits and pickings, 1*s.* 4*d.*; good seed, 1*s.* 7*d.*

CHAMOMILES.—Three bales fair whitish seconds sold without reserve at 6*s.* per cwt., and six bales similar quality also without reserve at 6*s.* The supplies both in Belgium and in this country are said to be small, and a sharp advance is predicted shortly.

COCA-LEAVES.—Dearer, and in good demand. Four cases of middling brownish Ceylon-Huanuco sold at 1*s.* 1*d.*, and ordinary brown at 1*s.* to 6*d.*, prices being irregular; 17 packages Java realised 8*d.*, irrespective of quality, for fair green broken to brown leaves.

COLOCYNTH.—Steady. Two cases good pale selected Turkey apple were held at 1*s.* per lb.; a case of ordinary broken apple sold without reserve at 6½*d.*, and seven cases common seedy Spanish, without reserve, at 4½*d.* per lb. For fair Persian pulp 7*d.* per lb. was wanted, at which sales have been made privately.

CUTTLE-FISH BONE.—Ten bales of common, damp broken East Indian were sold without reserve at 1½*d.* per lb.

DRAGON'S-BLOOD.—The arrivals comprise 19 cases from Bombay and 7 cases from Singapore. No business was done publicly, the quality not commending itself to buyers, no good reboiled lump being on offer.

FENNEL-SEED.—Good Persian was held at 25*s.* per cwt.

GENTIAN.—Twenty bags sold at 20*s.* per cwt.

HONEY.—Jamaica of the new crop met with a good demand at firm but unaltered rates, the sales comprising good pale lemony liquid, 31*s.* to 31*s.* 6*d.*; thick pale amber liquid, 31*s.* 6*d.*; fair pale to good clear bright amber, 28*s.* to 30*s.* 6*d.*; setting amber, in barrels, 28*s.* to 29*s.*; cases ditto, 30*s.*; dark brown liquid, 27*s.* to 28*s.*; good pale set and setting, 30*s.* to 31*s.* to 33*s.*; palish set and setting, 30*s.* Liquid Californian was held at 35*s.* to 40*s.*, the latter price for bright pale amber. Fifty-nine barrels Hayti sold at 31*s.* for bright yellow liquid, and 24*s.* 6*d.* to 25*s.* for dark to ordinary brown liquid. Good white set realised 32*s.* 6*d.*; brown to brownish setting, 26*s.* to 28*s.*; ordinary brown set and setting, 25*s.* per cwt. Two casks fair amber liquid St. Lucia realised 25*s.* 6*d.*, and two cases brownish liquid 26*s.*

IPECACUANHA.—A sensational sale of one bale of thin bright natural Matto Grosso was made at 9*s.*, a decline of about 2*s.* on the previous inoperative rate; good stout was obtainable at 9*s.* 3*d.*, but nothing sold. Minas was held at 8*s.* 6*d.* In another instance 2 bales East Indian were held at 11*s.* 6*d.*, good stout Cartagena at 6*s.* 6*d.*, and Minas at 10*s.* 6*d.*, which shows the diversity of owner's idea of value as represented by public auction. A further 6 bales Cartagena sold without reserve at from 5*s.* 5*d.* to 5*s.* 6*d.* per lb. without reserve for ordinary dull, with pickings at 4*s.* 4*d.*

MYRRH.—A parcel of 24 cases roughish and partly blocky Aden sorts was bought in at 60*s.*; 2 cases siftings sold at 39*s.* per cwt.; good pale hand-picked is held at 5*l.* 15*s.*

RHUBARB.—The low price to which this drug has fallen has improved the demand at public auction, practically 50 cases changing hands in the sale. For small round and trimming root Shensi, with three-quarters good pinky fracture, 1*s.* 7*d.* was paid, medium round and flat went at 1*s.* 6*d.*, and round with part trimming at 1*s.* 6*d.* also. A case of medium round horny high-dried realised 6½*d.* subject. About 30 cases sold without reserve, comprising medium and bold round kiln dried Shensi character, orange

coated, with three-quarters palish pinky fracture, quarter dull at 1*s.* 3*d.*; small round and part trimming root at 1*s.* 2*d.*, and medium to bold flat ditto at 1*s.* 2*d.* Medium round Canton, with three-quarters good pinky fracture, sold at 1*s.*, and flat ditto at 1*s.* per lb. Eleven cases of medium to bold dull-coated high-dried with three-quarters good pinky fracture sold at 9½*d.* to 10*d.*, and bold flat ditto 10½*d.*, without reserve.

SALEP.—Seven bags of this seldom-used substance were held at 2*s.* 3*d.* per lb.

SARSAPARILLA.—No grey Jamaica offered; holders privately ask 1*s.* 4*d.* per lb. in second-hands. Twenty-one bales Lima-Jamaica sold at 1*s.* 1*d.* per lb. for fair, and 10*d.* to 10½*d.* for rough and chumpy. Native Jamaica is quiet, only 7 bales finding buyers at from 10*d.* to 10½*d.* for dullish to fair red. Thirty-eight serons of Guatemala-Mexican character were held at 8½*d.* per lb.

SENNA.—Practically all the offerings sold at unaltered rates, comprising small common speckly and yellowish leaf at from 1½*d.* to 1¾*d.*, medium greenish 2¾*d.*, medium to bold greenish at 3½*d.* to 4*d.*; small dark pods, 2½*d.* to 2¾*d.* per lb; 25 packages Alexandrian sold at 7½*d.* for good bright leaf in cases, and 6½*d.* for fair ditto, 3½*d.* for broken leaf in bales, 2½*d.* for siftings, and 6½*d.* for pale pods; 17 packages sold without reserve at from 2*d.* to 2¾*d.* for sea-damaged half leaf; 5 bales Alexandrian pods had been sold privately.

TAMARINDS.—Firmer. Twenty packages fair pale Barbados sold at from 14*s.* to 14*s.* 6*d.*; darker ditto were held at 14*s.*; 44 packages Antigua realised 12*s.* per cwt. for fair pale, all in bond. Black East Indian were held at 12*s.* 6*d.* per cwt.

WAX (BEES').—Extremely quiet; 34 bales of Benguela sold at 6*l.* 15*s.* per cwt. for fair block, part slightly foul; four boxes St. Lucia sold at 7*l.* for fair greyish, and at 6*l.* 10*s.* for darkish; 30 packages Jamaica were bought in at 8*l.*; 8*l.* was the limit for nice pale Chilean, while 6*l.* 17*s.* 6*d.* was refused for fair Zanzibar block; a bid of 6*l.* 15*s.* is to be submitted for fair Madagascar block, part foul.

American Drug-market.

New York, April 26.

Business on the New York drug-market is following a routine course, with few developments of outstanding interest to mark the advances of the season. Price advances and declines are well balanced, and the market continues steady.

ALOES.—In some quarters the higher price of 9*c.* is quoted for Curaçao in cases, the advance being attributed to the uncertain conditions affecting the arrival of new crop. The "bullish" feeling is not general, however, other dealers naming 8½*c.* in the belief that crop-conditions are quite satisfactory.

ASAETIDA is still an uncertain market, the absence of stock rendering quotations of nominal significance only. Business in small lots is being done at \$1, and subject to importation 85*c.* is quoted.

CASCARA SAGRADA continues in fair request, with prices unaltered at 7½*c.* Advices from the coast report firm condition there, with 5½*c.* to 5¾*c.* f.o.b., the best terms for last year's bark in car lots.

COPAIBA is moving freely at the recent decline to 40*c.* for C. and S. American. Para is in good demand at 48*c.* to 50*c.* according to quality.

DAMIANA is offered at 42*c.*, with few takers, buyers anticipating easier terms on arrivals from the coast.

HYDRASTIS is in improved inquiry, several round lots changing hands at the full prices of \$2 to \$2.10, according to test. Reports from country markets indicate a firm position owing to limited supplies, and higher prices are expected on the development of further demand.

JALAP is plentiful and easy at 17*c.*, with lower prices quoted on goods "to arrive."

IPECAC.—Owing to freer supplies, Cartagena declined \$1.45 to \$1.50 during the interval, but with an active demand on spot a rising tendency was noticeable at the close of the market. A prohibitive price of \$3 was mentioned for a small lot of Rio.

PEPPERMINT OIL (AMERICAN).—Spot prices have yielded another 5*c.* to \$1.90, but buying at the decline continues of hand-to-mouth order. The crop prospects are said to be favourable in most sections, but the recent cold spell has started some talk of damage. This report is not supported by late advices from growing-areas.

"Finest Olive Oil."

In the Justices' Room of the London Guildhall on May 5, Alderman Sir William Dunn, M.P., heard further evidence in the two summonses against the Produce Brokers' Co., Ltd., London, issued at the instance of the West Riding of Yorkshire County Council, under Section 2 of the Merchandise Marks Act, in respect to an article described as "olive oil." The previous hearings were reported in our issues of April 23, p. 606, and April 30, p. 658. The names of Mr. Wm. Garrard, a director of the company, and of James F. J. Williams, one of its representatives, were attached at the last hearing.

Mr. Leon Fraenkel, merchant, Idol Lane, London, was now called for the prosecution, and questioned by Mr. Avory, K.C. He stated that on or about August 18 last he met Mr. Williams on "Change, and Mr. Williams showed him a sample of olive oil. Witness asked him, "Is this pure olive oil?" Mr. Williams replied, "It is pure olive oil with an acidity below 2 per cent." He offered it at 45s. 3d. per cwt. c.i.f. London. After repeating to Mr. Williams the description that gentleman had given the sample, witness said, "You may send me a contract for thirty barrels." Mr. Williams retained the sample he showed. Mr. Garrard was present during the conversation. Next day, or the day after, Mr. Williams brought him a small sample and said, "This is the sample showing the quality of olive oil in question." In due course he received the contract note for thirty barrels "pure olive oil as per sample 1299." Mr. Williams told him there had been a bankruptcy in Marseilles, and that some 300 or 400 barrels were at the disposal of the Produce Brokers' Co. for sale on August 20. He accordingly bought a further fifty barrels, and in due course received the contract note produced dated August 20 and signed "W. Garrard." The oil was there described as "pure olive oil, of good merchantable quality as per sample 1299." About that date Mr. Williams came to his office, bringing with him a bottle of oil and saying, "This is the standard of the oil we have sold you and will deliver." It was numbered 1299. It was sealed by Mr. Williams in his presence, and remained in his office till the seal was broken in his own and Mr. Williams' presence by Mr. Bell, the inspector of the Yorkshire County Council. Having given particulars of the delivery to him of thirty-seven of the fifty barrels he ordered, witness stated that on September 20 a delivery order was made out for six barrels to be sent to Messrs. Bleasdale, York, and the invoice for these he himself signed. Before he delivered any of the oil to that firm he had a sample taken and had it analysed by Mr. Ernest J. Parry. In consequence of information received, he went and saw Mr. Williams in October, and informed him that the olive oil had been analysed and found to be adulterated. The reply he received was that this was not possible. On informing Mr. Williams that Mr. Parry had made the analysis, he was told "Mr. Parry does not know his business. The oil is absolutely pure," and that they would expose Mr. Parry for giving such analysis. He told Mr. Williams that Mr. Parry had described the oil as possessing a "nutty" flavour. Mr. Williams then instructed him to go and see Mr. Garrard, and in conversation that gentleman told him that he could not understand how, or why, the oil should be adulterated. Mr. Garrard seemed very annoyed and informed witness that the shippers were Messrs. Ginnies, asking whether he thought they were capable of doing such a thing as to ship adulterated olive oil. Witness replied that he believed the firm to be a very respectable one, who would not be capable of shipping adulterated olive oil. Mr. Garrard then added that he thought the matter quite a mystery, and requested him to be a favour to go and see Mr. Bultheaux, whom he understood to be the agent for Messrs. Ginnies.

Mr. Avory, addressing Sir William Dunn, reminded him that in opening the case he had stated that, as far as Mr. Parry was concerned, the adulterant of nut oil was not known, and had only been discovered.

Further examined, Mr. Fraenkel stated that in September Mr. Parry passed the sample sent him as being in accordance with the B.P. Mr. Williams introduced him to Mr. Bultheaux, who told him that he could not understand how the oil was adulterated. The only explanation he could give was that the adulteration was due to the fact that the casks in which the oil was forwarded had originally contained sesame oil, but that the adulteration consequent upon this would not exceed 2 or 3 per cent. Subsequently to that he rejected several deliveries under contracts with the Produce Brokers' Co. Correspondence followed, but it was of a very one-sided character, and he did not receive any satisfactory reply. He suggested arbitration, and received a letter dated September 20, signed by Mr. Garrard, saying, "If you wish the matter to be submitted to arbitration you must first name your arbitrator."

Witness was then cross-examined, after which evidence was given by Messrs. C. E. Bryant and S. Cogman, and the hearing was adjourned until May 9.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they are not recorded.

Queries by subscribers on dispensing, legal, and miscellaneous subjects pertaining to pharmacy and its allied trades are replied to in these columns, if they are of general interest.

Letters submitted to the Editor for publication (if suitable) should be written on one side of the paper only. Their publication in the "C. & D." does not imply our agreement with the opinions of the writers.

The Essential Oils of the Forthcoming Pharmacopœia.

SIR,—May we contribute to the interesting discussion, initiated by the valuable paper by Messrs. C. A. Hill and J. C. Umney, a few observations on certain official oils?

Oleum Eucalypti.—We agree with the physical characters suggested by the authors for this oil; but we prefer the following modification of the phosphoric acid test for cineol, as giving more definite results, which are less likely to be influenced by the "personal equation." Twenty-five c.c. of the oil, measured at 15.5° C., is diluted with an equal volume of petroleum ether, and cooled in a freezing mixture. About 12 c.c. of phosphoric acid, sp. gr. 1.750, also previously cooled, is then run in, slowly, with constant stirring, so as to prevent any undue rise of temperature, as indicated by the appearance of red or brownish colour in the mixture. This is allowed to stand in a freezing mixture for about fifteen minutes, with occasional agitation. The mass is then transferred and washed with a little petroleum ether on a Buchner filter on the filter pump. The crystalline mass is then pressed between filter-paper and transferred to 100 c.c. cylinder, decomposed with hot water, and the volume of cineol read off at 15.5° C. It should measure not less than 14 c.c. The sp. gr. of this cineol should be approximately 0.950. We consider the suggested test for phellandrene to be too stringent; since by it, phellandrene will be detected in most oils having a rotation of -5° or higher. It should be borne in mind that the therapeutic value of eucalyptus oil was originally established with those oils containing some phellandrene; and the preference for oils rich in eucalyptol appears to rest rather on prejudice than on any scientific basis.

Oleum Fœniculi.—We find that, as a rule, our distillates from sweet fennel fruit give higher figures than those generally accepted, and than those proposed by Messrs. Hill and Umney. Our data are: sp. gr. 0.970 to 0.982; and $\alpha_D + 5^\circ$ to $+ 8^\circ$; melting-point of the congealed oil 7° to 14° C.

Oleum Gaultheriæ.—Here, the difference in flavour between the natural oil and the synthetic product is so slight, that we see no reason why pure methyl salicylate should be excluded, and should favour the inclusion of both natural and synthetic products. We have never met with a genuine natural oil containing less than 95 per cent. of methyl salicylate; and having sp. gr. 1.185 to 1.188; with a slight levorotation.

Oleum Menthe Piperitæ.—Our position as distillers on a considerable scale at Mitcham enables us to refer to figures relating to large bulks of oil of different seasons' production. Our records show: Sp. gr. 0.9010 to 0.9168; and $\alpha_D - 22.8^\circ$ to -37° ; soluble 1:2.5 to 1:4 volumes and more of alcohol 70 per cent. These figures obviously refer to freshly distilled products. The oil becomes less soluble on keeping. The importance of the organoleptic tests for peppermint oil, which cannot be strictly described, cannot be over estimated.

Oleum Pimentæ.—We do not find that our pimento oil generally ranges so high as in the characters suggested. We obtain: Sp. gr. from 1.0232 to 1.0450, eugenol from 52 to 94 per cent. Solubility in 70 per cent. alcohol 1:1 to 1:3. As in the case of clove oil, we do not consider the oils richest in eugenol to have the finest aroma and flavour.

Yours faithfully,

W. J. BUSH & CO., LTD.

Ash Grove Works, Hackney, N.E.

Trade Names.

SIR,—I was profoundly surprised and disappointed to find even you among the "stick-in-the-muds," for in the Editorial of your issue for April 23 *re* labelling poisons you preach from the text "As it was in the beginning, is now, and ever shall be," and justify yourself by arguing that "an inestimable amount of change in business conduct has been averted by the decision." A pusillanimous attitude, surely; and if this is the only defence for the *status quo* that can be brought forward, it is one that should be altered. The recent decision may be good law—though this I doubt—but it is not common-sense or justice. Apart from the popular failure to realise the elastic nature of the word, "person" in the legal sense is not a proper definition of the "act of selling poison," the *crux* of the whole matter. The supply of poison by, or under the supervision of, an officially qualified and registered person in a specific, legalised manner is no more an ordinary sale comparable to purveying coal than is the retaining of the services of a judge to take evidence on oath. The species of qualification necessary are precisely similar, and both must be conducted by a definite legal procedure. Let the Lord Chief Justice imagine himself turned into a limited-liability company under a fancy name and he will realise the position. I can quite imagine his wrathful surprise at the suggestion, yet my personal qualification as a seller of poison is not one whit less personal than his as Lord Chief Justice. It shows a lack of proper appreciation of facts to confound ordinary trading with the selling of poisons. While it is permissible to a judge to umpire at a football match in any fancy name he pleases, on the Bench he must be known by the name under which he became qualified to sit there. To my mind, the fact that a sale of a special nature requiring personal qualification on the part of the seller to be legally performed can be consummated under the shelter of a pseudonym so as to frustrate any attempt to identify the seller on the official register of sellers of poison, the very existence of which list is to provide means of identification, is hugely grotesque, and that such a state of affairs should be gravely considered possible is indicative of a putrescent civilisation. Why not invent a combination of gramophone and typewriter to undergo examination at Galen Place, and then hire it out at 3d. a time to aspirants to Minor "honours"! At the present estimate of the value of a personal qualification it would not be worth more. However, whether I am right or wrong in my views, I do not admire your gospel. It practically amounts to this: "Do wrong as brazenly as you can, and it will be all right. Get a lot of other people to help you, and you can safely defy molestation." The fact that you have done wrong is easily overlooked if you are lavish with your gilt and mahogany.

Yours truly,

Ludlow, April 25.

W. J. BROWN.

P.S.—The fact that our presidents in the past have strenuously exhorted those whose hands they shook when congratulating them on passing, to cultivate the personal side of their businesses while studiously avoiding doing so themselves, is one that is pretty generally admitted, but not one that I for one think worth continuing.—W. J. B.

[The qualification of the vendor is the thing, and there are provisions in the Acts (re-enforced in 1908) to ensure that. As to the name—well, the eminent jurist referred to by our correspondent has the family name of "Webster," as a peer he is "Lord Alverstone," and as a judge he is "The Lord Chief Justice." Which of these qualifies him to judge?—EDITOR C. & D.]

The British Pharmacopœia as a Standard.

SIR,—I have read with interest Mr. Dott's paper on the subject of pharmacopœial standards. I venture to suggest that he might have read my own paper on this subject with a little more care. I have never put forward the view of the decision in *Hudson v. Bridge* that Mr. Dott suggests. Indeed, if he refers to my paper he will find that the view he gives is the very one which I showed was incorrect. I do not think any of Mr. Dott's other criticisms of what I wrote in this journal are to the point. He appears rather to aim at what should be: I drew particular attention to the fact that I did not in the least discuss what was in the best interests of the public or of pharmacists. I dealt with the matter from a strictly legal point of view,

and a discussion in which the inference can be drawn that such points as are expressed in my paper are my personal views of what would be for the best must necessarily be of little use. So far I have seen no word expressed which tends in the slightest degree to shake the opinions expressed in my paper as to the legal relations of the Pharmacopœia to the Sale of Food and Drugs Acts. Indeed, I am pleased to say that your esteemed contemporary, "The Lancet" has an expression of my views, more or less, from Mr. Wippell Gadd.

Yours faithfully,

ERNEST J. PARRY.

56A Great Dover Street, S.E., May 2.

Pharmaceutical Council Election.

SIR,—In view of the unusually large number of candidates for the forthcoming Council election, there is some danger that the claims of the retiring members of the Council may be overlooked. We would venture, therefore, respectfully to solicit from members a continuance of their support of Mr. W. H. Gibson, who has served the Society so faithfully and so well. His appointment twelve months ago to the Chairmanship of the Finance Committee, and his more recent election to the important position of Treasurer to the Society, are some indication of the esteem in which he is held by his colleagues, and we trust that the rank-and-file will confirm these actions of the Council by giving Mr. Gibson a high place on the poll.

On behalf of the Brighton Association of Pharmacy,
Brighton, April 28. C. E. ROBINSON, Hon. Secretary.

SIR,—On behalf of the N.U.A.P. we should be obliged if you would kindly afford us the opportunity of making a general appeal to the members of the Pharmaceutical Society in the interests of our candidates Messrs. Dowty and Waldron. The academic element has dominated the Council from its foundation, resulting now in the creation of a generation of overtrained pharmacists for whom there is no pharmacy; and in the display of wanton negligence in taking practical precautions to ensure the conservation of pharmacy to the pharmacist. We state emphatically that there is no justification for proceeding with consideration of the higher education of the pharmacist without at the same time an intelligent survey of the pharmaceutical position with the view of adopting a constructive and militant policy for the rehabilitation of the craft. Whether autocratic members of the Council care to recognise it or not, the feeling of grave dissatisfaction at the deplorable condition of the craft is widespread among master-pharmacists, and certainly a continuing policy of *laissez-faire* is useless to the assistant. Our craft is being grievously exploited, and the Council has hitherto lacked insight and determination in dealing with the situation. Unbroken silence and a "wait and see" policy do not appeal to us; and the constant and laboured consideration of vital questions without appreciable result or action gives us "furiously to think." The time has come to give expression to our dissatisfaction in an unmistakable manner, and the N.U.A.P. candidates embody such expression. We ask members to carefully weigh in their minds the features of the N.U.A.P. address and consider if it is not the practical programme meeting best the urgent and serious needs of the moment and meriting your support.

We are yours faithfully,

JAS. SMITH (President).

EDW. S. FRANCIS (Hon. General Secretary).

May 4.

Soda-water Manufacture for the Chemist.

SIR,—I think if your subscribers only look at the published balance-sheets of the various large mineral-water makers they will have a good answer as to whether it is likely to prove very remunerative even on a small scale. My advice to any chemist who has any idea of commencing is, Don't, especially if there is a good and reliable maker whom he can get his supply from at a reasonable cost. If he has 100*l.* to spare he will be able to find many ways of investing it to better advantage in his business than in soda-water making, especially if he will devote the same time and energy to it that he would have to do to make a good return in his soda-water trade. "F. E. B.'s" experience is very limited and most misleading.

AN OLD HAND. (157/19.)

SIR.—I wrote my letter of April 2 to benefit chemists in the mineral-water business, if I could, by an experience in the business extending over ten years, and I had realised all the difficulties attached thereto. I did not expect for one moment that my letter would meet with favour from anyone whose business sympathies lay in an opposite direction, and I am not surprised at the letter from the Consol Automatic Aerators, Ltd., in reply. I do not appreciate the inference they try to draw as to the probable amount of profit there is in the chemist being his own manufacturer. As a matter of fact, the Consol company have a machine to sell, and their interests naturally tend in that direction; but they are not manufacturers in a retail sense, and are not as familiar as I am with the expense and difficulties attached to a retail syphon business. What I should like to know—and I think my point is appreciated by other manufacturers—is the approximate depreciation of syphons and plant to estimate for year by year. Anyone who has had serious practical knowledge of the business knows how difficult this is after syphons have been in use a few years. The matter is far from being a trifling one, and such reliable information could only come from a firm who both make syphons and manufacture soda-water. If some of our large firms who act in this dual capacity would give us this information, they would be conferring on the trade a valuable service. I think "Xrayser II." shares my opinion in this direction, and though there existed a 5 per cent. difference in our estimates as to the amount of depreciation which should be allowed, this can be easily accounted for in the different experiences each of us may have had. As regards the principles that exist in automatic machines, I do not see that any good purpose can follow by saying anything further. I have already stated they are not of a profitable character to work, compared with machines on the agitating principle, if really good soda-water is required at the minimum of cost, and I adhere to this. I form this opinion by actual experience with four different types of these automatic machines. The sum of 100% in the business of a mineral-water manufacturer is absurd. I know of several chemists who have embarked in the business expecting to build up a profitable adjunct to the already existing business they possess, and have been glad to relinquish it at any cost after a year or two. These were not men of indifferent or indolent habits, but shrewd business men who had the courage to act up to their convictions. To conduct a mineral-water business means much hard work; expenses of delivery and annual renewals to plant are so great that little profit (if any) is the ultimate result. A profitable mineral-water business has to be conducted on a fairly large scale, and even then, taking into consideration the time and labour expended, there is very poor return for the capital invested by the chemist. He can apply his energies in a different direction to more profitable advantage.

Yours truly,

PHENACETIN. (155/90.)

Subscribers' Symposium. (Information Solicited or Supplied.)

Henbane seed.

Mr. W. Spencer Turner (Willingham, Cambs.) informs us that he has sent small saltspoonfuls of his henbane seed to nearly sixty applicants in Great Britain and to one at Messina. There is some more left. If anyone else wants it he can get it by sending stamped envelopes to Mr. Turner.

Ceylon Pharmacies.

Mr. B. Gretton Watson (Tunbridge Wells) considers that the business premises in Kandy (Ceylon) illustrated in the *C. & D.*, April 23, p. 640, are more like a native dispensary than a Ceylon pharmacy. The majority of the pharmacies are, he says, fine buildings, with mahogany fittings and glass recess-label bottles, and having as smart an appearance as an English pharmacy. They are not confined to one floor, but in some cases are of three storeys.

Filling Fountain-pens.

The ordinary filler for fountain-pens is often a source of annoyance by reason of the air-bubbles produced, which are so difficult to disperse. I have recently been using a drop-bottle which I happened to have by me, with most satisfactory results, and pass on the hint to your readers. The drops are

regular and uniform and no air bubbles, and the "dropper" is always handy and ready for use. —Wm. Bousfield. [But we can do better with an ordinary measure or an ounce phial.—Ed.]

Hartshorn and Oil.

Mr. J. Williamson, Ph.C. (Dundee), submits to us a specimen of ammonia liniment prepared according to the B.P. formula, which he sells as "Hartshorn and Oil." He ensures that the preparation does not solidify by mixing the ammonia solution and almond oil thoroughly before the olive oil is added, and his experience is that however long the liniment so made is kept, it does not lose its fluidity. Mr. Williamson suggests that the directions in the B.P. should be altered by changing the words "Shake together" to "Mix the solution of ammonia and almond oil by shaking together, then add the olive oil and continue the shaking for a few minutes."

"Virol" Window-display.

"Verb. Sap." has expressed surprise at the results, and I can endorse his views, although I would have refrained from joining in the controversy had "Virol," Ltd., published one or two of the principal winning photos in your journal. As a competitor with a good record in many similar window-schemes, I ought to be content and prepared for failure occasionally. My "Virol" show occupied two large and three smaller windows (35 ft. frontage), and excelled any previous attempt both as regards size and excellence. Considered financially, I was many pounds out of pocket. The prize sent me was a cheque for 12., which I promptly returned, explaining that publication of the chief windows would satisfy me. That "Virol," Ltd., have acted wisely can be best decided by your readers. —Yorkshireman. (160/35.)

Prices of Proprietaries.

I was much pleased to see in last week's issue the letter of Mr. J. H. Cooper, from that enterprising Yorkshire town Huddersfield. Mr. Cooper voices a serious grievance, and there can be no doubt that the P.A.T.A. will give the Huddersfield resolution all the consideration it deserves. In regard to those articles which the Association directly controls, it is, of course, all-powerful, and will be sure to see justice done to its members. But there is a growing upheaval of what your correspondent describes as these changing factors, which is permeating every retail branch of commerce and every department thereof. Manufacturers and wholesale purveyors of branded goods can only be resisted in their encroachments on the just profits of the retail distributors by united action on the part of the local associations, as suggested. —Walter Bean.

An Ilford Grievance.

Messrs. Holman, Ham & Co. (Exeter) submit copies of correspondence which has passed between them and Ilford, Ltd., regarding "Versatile" plates. They were informed by a sundries house that they were unable to supply, and on writing to Ilford, Ltd., were informed that Boots Cash Chemists, Ltd., were agents for "Versatile" in Exeter, so that they were unable to supply. Boots quoted 10 per cent. for cash. Mr. P. F. Rowsell, the principal of Messrs. Holman, Ham & Co., says in his letter: "If this is how Ilford, Ltd., intend to treat their customers, I venture to think chemists will know how to treat Ilford goods and Ilford 'Photo Scraps.'" [We may recall the fact that Ilford, Ltd., as an experiment, offered the sole agency for "Versatile" plates in each town to one retailer (see *C. & D.*, March 12, p. 413). Boots seem to have "got there first" in every town where they have a branch. —EDITOR *C. & D.*]

Caustic Soda for Weeds.

I have noticed several statements recently that caustic soda is sufficient to kill weeds without the addition of arsenic. As this is liable to be acted upon by pharmacists, I venture to write a word of warning. About three weeks ago I divided a very weedy path into two portions, dressing one with caustic soda and the other with arsenical weed-killer. At the same time I dressed two large patches of grass in the same way. The result is as follows. Apparently, at first the effect of the applications were identical, both weeds on path and grass turning brown. After, however, about three weeks the weeds and the grass are growing quite luxuriantly on the caustic patches, but on the arsenical-dressed portions every sign of verdure is "still" dead—in fact, the grass-patch is absolutely bare. If any brother-pharmacist cares to call on me I shall be pleased to give him ocular demonstration. Pharmacists will therefore, I think, run the risk of disappointing and annoying customers if they act on the assumption that caustic soda alone is sufficient to kill weeds. I write this with due deference to Mr. Rutherford Hill, who endorsed this error in his evidence before the Joint Committee on the Bill of 1908. —H. B. Sharman (Northwood).

Miscellaneous Inquiries.

As we do not in this section repeat information given during the past twelve months, inquirers should refer to the copies mentioned. Back numbers for the past five years can generally be obtained from our office at the published prices.

Snooks (145/65).—**OLIVE-OIL TESTS.**—(a) The B.P. silver-nitrate test for olive oil can only be relied upon as probably indicating the presence of cotton-seed oil if a positive reaction has been obtained. Absence of coloration, however, does not prove absence of cotton-seed oil. Some genuine olive oils give the reaction very distinctly, while cotton-seed oil that has been heated fails to respond to either the silver-nitrate or Halphen's tests (see Lewkowitsch's "Oils, Fats, and Waxes" under Cotton-seed and Olive Oils). (b) You will find in the *C. & D.*, April 2, a paper by Mr. E. J. Parry, F.I.C., Barrister-at-Law, in which he deals fully with the question of the British Pharmacopoeia as a legal standard. (c) Some samples of pure olive oil reduce alcoholic solution of silver nitrate. See also reply (a). The answer to this question emphasises the necessity of regarding the indication of this test with great caution. (d) Not in our opinion. (e) The theoretical proportion of camphor in CAMPHORATED OIL is 21.45 per cent. w/w. The liability to decomposition of camphorated oil (by which we presume you mean liability to loss of camphor) has been much exaggerated. Dyer, Bevan, Chapman, Harrison, Johnston, and others have experimentally proved that in a properly prepared oil the loss of camphor, such as is likely to occur under ordinary conditions of usage—i.e., in pouring from the stock-bottle, or even leaving the stock-bottle unstoppered—is not likely to exceed 0.5 per cent. Possibly the two causes (apart from fraudulent intent) most often accounting for prosecutions in respect to deficiency in camphor are: (1) Taking the weight of the packet of camphor for granted, and (2) dissolving the camphor by the aid of heat, especially when lump camphor has been used. Your query as to the evidence of the B.P. being rebuttable evidence is dealt with by Mr. Parry in the paper referred to above.

J. W. Lamb (151/1).—The number of registered CHEMISTS IN GREAT BRITAIN at the end of 1909 was 16,256, of whom 14,194 were chemists and druggists and 2,062 pharmaceutical chemists. This year 198 have passed the Minor examination and 16 the Major. The totals have been reduced by deaths.

J. W. W. (115/20).—There is no way of effecting the purpose your customer has in view.

W. L. (141/25).—(1) **GLOVE-CLEANER PASTE.**—The following is from "Pharmaceutical Formulas":

Curd soap	...	...	...	3j.
Water	...	...	...	5iv.
Oil of lemon	...	...	...	5ss.
French chalk	...	...	...	a sufficiency

Shred the soap and dissolve in the water by heat, add the oil of lemon, and make into a stiff paste with the French chalk. Directions for use: Put the glove upon the hand and apply the paste with a piece of flannel, rubbing the kid from wrist to tip of finger.

(2) We are not acquainted with a preparation known as "Tea-Laver."

Blister (144/36).—**GREEN BLISTER FOR HORSES.**—This we believe to be compounded with cantharidin and coloured with chlorophyll. Such an ointment is less irritating than when cantharides is employed, but generally the vesicant action is more active. Cantharides contain 0.69 to 0.83 per cent. of cantharidin. Mercuric chloride is unsatisfactory as a blister.

Verb. Sap. (127/57).—**BARBERS' ANTISEPTIC** for use as a spray after shaving.—A similar liquid to the one you send can be made from such a formula as the following:

Boric acid	...	...	...	½ oz.
Tincture of quillaia	...	...	...	2 oz.
Bay rum	...	...	...	2 oz.
Glycerin	...	...	...	1 oz.
Burnt sugar	...	...	...	a sufficiency
Water to	...	...	...	20 oz.

Dissolve the boric acid in the water without heat, then add the tincture, bay rum, and glycerin and tint with burnt sugar. For use this is diluted with an equal quantity of water.

Nimmo (143/64).—Will you send us more particulars about the use of the liquid "for hardening plaster preparatory to polishing?"

Syntar (149/23) asks what the following articles are usually classified under when a business is sold—stock or fittings? (1) Scales and weights, (2) mortars, (3) pill-machines, (4) hand-bottles and (5) bottles containing stock which are returnable to wholesale houses. [Nos. 1 to 4 are fittings; No. 5 is usually treated as stock, being saleable in the ordinary way of business.]

Legal Queries.

Consult the legal information in "The Chemists' and Druggists' Diary," 1910 before writing about your difficulty.

Balance (160/62).—The Fife inspector of weights and measures is (like many others of his class) wrong about French scales being illegal. See reply to "Denstruian" in *C. & D.*, April 30, p. 683, and the article in *C. & D.*, 1909, II., 576.

Subscriber (157/71).—(1) Oxalic acid is a scheduled poison, and may only be sold by registered chemists. (2) If a person is fined for an offence under the Pharmacy Acts and does not pay the fine, he may be imprisoned for debt if it can be proved that he is able to pay.

Rook (156/40).—It is perfectly legal to sell "Flavoured Seidlitz powders," "Sweetened Seidlitz powders," and "Extra strong Seidlitz powders" if the articles are labelled and the purchaser asks for them. If the purchaser asks for "Seidlitz powders" and either of these is sold, the fact should be notified at the time of sale.

C. B. (150/24).—You can ascertain whether or not the description "Corn Dots" is registered as a trade-mark by applying on a special form to the Registrar of Trade-marks, Patent Office, 25 Southampton Buildings, Chancery Lane, London, W.C., or you can search the files at a charge of 1s. per quarter of an hour. Neither salicylic acid nor Indian hemp is a scheduled poison, so that corn-plasters containing them may be sold by anyone.

R. M. B. (143/44) leased to a man eighteen and a half years ago 400 square yards of land for 999 years. The lessee has had enclosed all the while 440 yards without the lessor's knowledge and without paying any rent for the extra 40 yards. Has he gained a right to hold that 40 extra yards free of rent for the future? Can "R. M. B." claim rent for the 40 yards for the past eighteen and a half years? [We are of opinion that the tenant has not gained any right to hold the extra 40 yards free of rent for the future, and "R. M. B." should take the necessary steps to protect his rights by demanding extra rent for the 40 yards. We do not, however, think "R. M. B." is entitled to recover rent for the past user, but only damages for trespass, if at all.]

Our Retrospect.

(From the "C. & D." May 15, 1860.)

Poor-law Medical Relief.

Although the Bill under this title, prepared and brought in by Mr. Pigott, Mr. Scholefield, and Mr. Briscoe, on the 28th of March, 1860, was withdrawn on Friday, May 4th, it contained a clause affecting the interests of the trade that we feel compelled to call attention to. We are no enemies to any association that professes to examine and grant diplomas to chemists and druggists, and, as we have repeatedly observed, we do not consider it necessary to abuse the Pharmaceutical Society in every number of our Journal. The above bill, however, patronises this society in such a manner, that we are obliged to break through our self-imposed rule, and to say that we see nothing in the offspring of the late Mr. Jacob Bell, to entitle it to confer a monopoly of parochial drug-selling upon its certified members. Clause 33, page 13, ran thus:—

"All payments for medical assistance shall be a union charge, excepting those named in section sixteen, number 1, which shall be paid for out of the rate of the county in which the union is situated; number 3, which shall be paid for out of such moneys as may be provided by Parliament for the purpose; and the Poor Law Board shall have the power to order dispensaries to be established in such unions or parts of unions as they may think desirable; and all dispensaries now established or hereafter to be established shall be under the management of the guardians, subject to the control of the Poor Law Board, who shall furnish the drugs, and pay for the same out of such moneys as may be provided by Parliament for the purpose, as well as the rent of the dispensaries and salaries of the dispensers, whose qualifications for Office must be that of being registered as medical men, or be MEMBERS OF THE PHARMACEUTICAL SOCIETY."

The clause, as it stood, was so framed as to confer a monopoly upon the members of an association that will always represent a minority of the trade. Any examining society that may hereafter be formed, and which may attract the outstanding two-thirds of the profession, will be excluded from the next bill, promised by Mr. Pigott, if this clause, as is most probable, should be retained, unless words, to prevent this, be inserted before it is framed, brought in, or passed.

NEW SALINES

In Double Oval, Quinine-tinted, Plug-stoppered
Bottles, capsuled. Sample free on application.

Natural Fruit Saline

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PRICES NETT.

	doz.	6 doz.	gross
Purple Grapes embossed on Pale Green Ground	7/9	7/3	84/-
White Grapes on Red Ground	7/6	7/-	81/-
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Icebergs with Ships	}	7/6	7/-	81/-
Norwegian Fiord						
Swiss Waterfall						
Moorish Girl at Window						
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CARTON

Bay of Naples	8 -	7 9	90 -
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In gross lots, case free, and carriage paid. In six dozen, carriage forward.

All these Cartons are printed in several colours giving most charming and artistic effects. The labels are reduced facsimiles of the pictures on the Cartons.

We feel sure these new and attractive goods will meet with a ready sale, as they are far superior to anything hitherto put on the market.

Chemist's name and address printed on the label free of charge when quantities of not less than three dozen are ordered. Cartons are reserved for customers by arrangement.

ALFRED BISHOP, Limited
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"DIAMALT" = The Purest and Highest
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"DIAMALT" with COD LIVER OIL is MATCHLESS.

The "**British Medical Journal**," November 20, 1909, reported upon eleven leading proprietary malt extracts, the **DIASTASIC POWERS** being as follows:—

1. 380	4. 366	7. 1060	9. 38
2. 23	5. 86		10. 866
3. 39	6. 940	8. 382	11. 0

No. 7 is DiaMa't, and the complete analysis showed:

Total Solids 74 per cent.

Reducing Sugars (calculated as maltose)
63.9 per cent.

Protein 6.52 per cent.

Dextrin 12.7 per cent.

Ash 1.2 per cent.

Diastasic Power 1060.

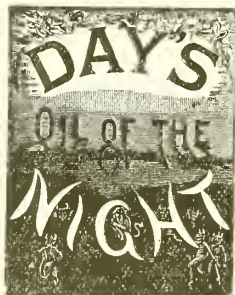
See for yourself, by reference to the "**B.M.J.**" of November 20, what the other ten are.

DiaMalt Preparations give the Chemist **30 per cent.** **CLEAR PROFIT**, secured by the **P.A.T.A.**; besides, he sells the preparations under a guarantee, thereby enhancing his reputation; and DiaMalt is the Extract which the Medical Profession now know is at the top.

Obtainable from all Wholesale Houses or direct from

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The great household Remedy for Chest Colds, Sore Throat, Rheumatism, Sciatica, & all aches & pains.

"A positive pain killer."—DR. GORDON STABLES, R.N.

Advertised Prices ... **1/1½** and **2/9** per bottle.

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COCAINE

MORPHINE

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GRANULAR PREPARATIONS

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ACID. BORIC.
BORAX.

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POT. CITRAS.
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SODII PHOSPH.

—
MAGNES. SULPH
SODII SULPH.

—
POT. SULPHURATA
POTASS. CARB.
SODA TART.
POT. TART.
NEUTRAL.

HYD. PERCHLOR.

—
AMMON. BROMIDE.
POT. BROMIDE.
SODII BROMIDE.

—
POT. ACETAS.
SODII ACETAS.

—
AMMON. IODIDE
POT. IODIDE.
SODII IODIDE.

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AMMON. CHLOR.
AMMON. SULPH.
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Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

Owing to the High Spirit Duties imposed by the Government, we have extended and perfected our Aqueous Tinctures.

Prices in 5-lb. bottles. 3-lb. bots. 1d., 2-lb. bots. 2d., 1-lb. bots. 3d. Per lb. extra.

	Aqueous.				Aqueous.				Aqueous.		
	lb.	lb.	lb.		lb.	lb.	lb.		lb.	lb.	lb.
Tinct. Aconiti P.B. ...	3/3	1/-	6 1/2 d.	Tinct. Cinchonae Rub. P.B. ...	2/-	1/2	10d.	Tinct. Lupuli P.B. ...	3/-	1/5	8 1/2 d.
Act. Racemosa P.B. ...	3/-	—	8d.	Coeli P.B. ...	2/11	1/1	10d.	Myrrhae P.B. ...	2/9	—	9 1/2 d.
Asafetida P.B. ...	3/3	—	7 1/2 d.	Colechici Semi. P.B. ...	2/7 1/2	1/2	10 1/2 d.	Co. ...	2/10	—	1/8
Aurum P.B. ...	3/6	10d.	8 1/2 d.	Digitalis P.B. ...	2/8	1/1	6 1/2 d.	Nucis Vomicae P.B. ...	2/10	1/-	6d.
P.B. '85 ...	2/9	—	5d.	Ergote Ammon. P.B. ...	3/4	1/1	1/1 1/2	Opii P.B. ...	3/3	2/1	2/-
Belladonnae P.B. ...	2/11	1/-	6 1/2 d.	Ferri Acetatis ...	1/5	10d.	7 1/2 d.	Ammonit. P.B. ...	3/4	—	2/10 1/2
Benzoici Co. P.B. ...	3/5	—	8 1/2 d.	Perchlor. P.B. ...	1/3	6d.	5d.	Quassiae P.B. ...	2/2 1/2	8d.	5 1/2 d.
Calumbae P.B. ...	2/7	9d.	7d.	Gelsemii P.B. ...	2/10	1/3	6 1/2 d.	Quininae P.B. ...	3/3	—	1 1/2
Campb. Comp. P.B. ...	2/5	1/1	6 3/4 d.	Gentiana Co. P.B. ...	1/1 1/2	1/-	6 1/2 d.	Amm. P.B. ...	2/6	—	11d.
Cannab. Ind. P.B. ...	5/9	—	2/5	Guaiaci Ammon. P.B. ...	3/8	—	9d.	Rilei P.B. ...	2/2	1/-	8d.
Cantharidis P.B. ...	3/9	—	6d.	Hamaeulidis P.B. ...	—	1/-	6 1/2 d.	Scoillae P.B. ...	2/6	10d.	7 1/2 d.
Cardi. Comp. P.B. ...	2/6	1/-	6 1/2 d.	Hyoscyami P.B. ...	2/5	1/5	6 1/2 d.	Senegae P.B. ...	3/1	1/3	1/3 1/2
Cascarilla ...	3/2	11d.	8d.	Joli P.B. ...	3/11	—	1/1 1/2	Senae P.B. ...	2/1 1/2	1/-	7 1/2 d.
Catechu P.B. ...	2/8	10d.	6 1/2 d.	Decolor ...	4/3	—	1/10 1/2	Serpentariae P.B. ...	3/4	1/3	11 1/2 d.
Chiratae P.B. ...	2/11	10d.	6 1/2 d.	Kino. P.B. ...	2/11 1/2	1/-	8 1/2 d.	Stramonii P.B. ...	2/3 1/2	1/3	6 1/2 d.
Chloro. c. Morph. ...	—	—	2/2	Krameriae P.B. ...	3/-	1/2	7 1/2 d.	Valerianae ...	2/8	1/-	6d.
Comp. P.B. ...	3/7	—	2/2	Lavandulae Co. P.B. ...	3/10	1/-	7 1/2 d.	Amm. P.B. ...	3/1	1/2	8 1/2 d.
Chloro. c. Morph. ...	—	—	1/5 1/2	Limonis P.B. ...	3/7	1/3	8d.	Warburg ...	4/11	—	1/5
Comp. B.P. '85 ...	1/11	—	1/5 1/2	Lobelia ...	2/11	1/2	6 1/2 d.	Zingiberis P.B. ...	4/-	—	6 1/2 d.
Cinchonae Comp. P.B. ...	3/5	1/4	10 1/2 d.	Ether. P.B. ...	4/11	—	2/5	Fortior ...	4/3	—	10 1/2 d.

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In 5-lb. Bottles. 3-lb. Bots. 1d., 2-lb. Bots. 2d., 1-lb. Bots. 3d. extra per lb.

	Per lb.		Per lb.		Per lb.
Ambr. Bromid. 4 gr. in 1 dr. ...	2/2	Ferri Carbonas ...	2/-	Potassii Citras ...	1/9
Antibru (Acetanilide) 1 gr. in 1 dr. ...	2/2	Citras ...	2/-	Pulna Salts ...	1/10
Antirrh. (see Phenazone) ...	—	Lithii Carbonas ...	2/-	Quinine Salicylas ...	2/4
Bism. et Ammon. Citras ...	2/3	Citras P.B. 1898 ...	1/10	Sodii Bromidum ...	2/1
c. Pepsin et Ferro ...	4/-	Salicylas ...	2/6	Cromo-Tart. P.B. ...	1/4
Cafr. Citras P.B. 1898 ...	2/2	Magnesia Sulphas P.B. ...	1/3	Phosphas P.B. ...	1/7
Hydrobrom ...	2/3	Phenacetin 5 gr. in 1 dr. ...	2/9	Salicylas ...	2/6
Cardi. Salts ...	1/3	Phenazone 5 gr. in 1 dr. ...	2/3	Sulphas P.B. ...	1/1
Ferri Ammon. Cit. ...	2/-	10 gr. in 1 dr. ...	2/3	Vieby Salts ...	1/10
Quinine Cit. ...	2/3	Piperazine 5 gr. in 1 dr. ...	13/-		

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Reward will be paid as First and Second Prizes to any Chemist or Chemist's Assistant in Business who furnishes the best workable and businesslike suggestion for any Improvement capable of adoption in our Weekly Advertisement in this Paper. All Competitors must bear in mind the limit upon which the Business has been so successfully built up: viz., Cash with Order. Competitors should state their full Name, Address and Occupation, and whether they desire their name to appear in our Advertisement in the event of their being successful. The Competition will close on the 11th of June, 1910, so as to enable our Friends resident abroad to compete.

COMPRESSED TABLETS.

Prepared with the Finest Drugs and Chemicals, and of superior finish. Rapid disintegration of Tablets of insoluble substances is ensured by a new process.

	Per 1,000		Per 1,000		Per 1,000
Acid. ethyl-Salicyl., gr. 5 ...	3/11	Chloral Hydrate, gr. 5 ...	5/8	Perchloride of Mercury (Coloured) ...	7/-
*Aloin, gr. 1 ...	5/-	Coclea, gr. 1 ...	—	One in 1 pint of Solution = 1-1000.	—
Ammonium Bromide, gr. 5 ...	3/2	Coclea, gr. 1 ...	—	Phenacetin, gr. 5 ...	3/8
gr. 10 ...	4/9	Dover's powder, gr. 5 ...	3/8	Phenacetin, gr. 4, and Caffeine gr. 1 ...	4/3
Chloride, gr. 5 ...	2/-	*Eason's ...	5/3	Phenazone, gr. 5 ...	7/6
Antifluor., gr. 2 ...	2/-	Equivalent to 1 drachm of Syrup, B.P. 1898 ...	—	Potassium Bromide, gr. 5 ...	3/4
Antifluor., gr. 5 ...	2/6	*Easton's ...	3/6	gr. 10 ...	4/10
Antifluor., gr. 4, c. Caffeine Cit. gr. 1 ...	3/8	Equivalent to 1/2 drachm of Syrup, B.P. 1898 ...	—	Chlorate, gr. 5, 7 lbs. 9d. lb., 1 lb. 1/- lb.	—
Bism., gr. 2, Soda, gr. 2, Ginger, gr. 1 ...	4/8	Formalin and Mint Compl. ...	5/-	Iodide, gr. 5 ...	10/10
c. 2 Pepsin, gr. 1, Charcoal, gr. 2 ...	6/6	Grey powder, gr. 1 ...	1/9	*Quinine Ammon. m. 60 ...	5/-
*Black, gr. 5 ...	2/6	gr. 2 ...	2/-	30 ...	4/-
*Dith. with Arsenic 1-100th gr. and Stramine 1-100th gr. ...	2/8	Grey and Dover's Powder, aa gr. 1/2 ...	2/9	Rhubarb, gr. 2, Soda, gr. 2, Ginger, gr. 2 ...	2/9
*Blau. Arsenic 1-60th gr., Aloin 1-10th gr. ...	3/-	Guaiacol Carbonate, gr. 5 ...	10/8	Rhubarb, Compound Powder of (Gregory's Powder), gr. 5 ...	2/4
gr. 10, P. Capici, gr. 1, Aloin, Scabine, Ae. Arsenious aa gr. 1-30th ...	3/10	Guaiacum Compound ...	2/6	Saccharin, gr. 1/2, each weighing 1 gr. ...	3/6
Borax, Ext. Aloe, aa. gr. 2 1/2 ...	1/-	Res. Guaiaci, Sulph. Sublim., aa. 2 1/2 gr. ...	4/-	Saol, gr. 5 ...	4/-
Caffeine Citrate, gr. 2 ...	4/-	*Hypophosphite Compound ...	4/-	Soda Mint, per lb 1/-	—
Caffeine Compound ...	4/8	Equivalent to 1 drachm of Syrup, B.P.C. ...	—	Sodium Salicylate, Physiologically Pure, gr. 5 ...	4/-
Caffeine, 1 gr.; Phenacetin, 5 grs. ...	—	*Jeththol, gr. 2 1/2 ...	9/-	Sulphonal, gr. 5 ...	8/6
Cathart., Ext. Jalap., gr. 1, Ext. Coloc. gr. 1 1/2, Calomel, gr. 1, Gamboge, gr. 1 ...	5/3	Lithia Carb., gr. 1/2 ...	7/-	Sulphur Compound, gr. 5 ...	1/6
Calomel, gr. 1-10th ...	2/-	Lithium Citrate, gr. 5 ...	2/8	Thyroid Gland, gr. 5 ...	7/8
gr. 1 ...	2/3	Nitroglycerin P.B. gr. 1-50th ...	3/-	Trional, gr. 5 ...	19/-
gr. 5 ...	2/3	Papain, gr. 1 ...	13/6	Veronal (See Body of List) ...	—
*Casey (Extract P.B.), gr. 2 ...	2/3	*Parrish's ...	2/10	Voice (with Cocaine, gr. 1-60th) ...	2/6
*Casey (Extract P.P.), gr. 4 ...	4/2	Equivalent to 1 drachm of Syrup ...	—	" (" " gr. 1-20th), Extra Strong ...	4/6
*Casey, Co. ...	4/4	*Pepsin P.B. 1-2500, gr. 2 ...	7/4		
Ext. Ascar. Sagrad., 1 gr.; Enoymium, 1/2 gr.; Ext. Hyoscy. Virid., 1/2 gr.; Ext. Nis Vom., 1/2 gr. ...	—	*Peptonie, gr. 3 ...	7/6		

* Indicates sugar coated.

Smaller quantities extra, 500 lots, 6d. per thousand more.

NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

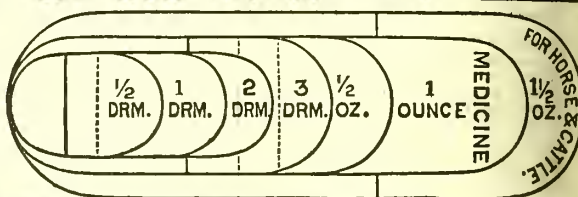
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EMPTY
CAPSULES****FOR HORSE BALLS,
CATTLE AND DOG
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FOR VETERINARY USE

2' & 4'3 per bottle

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THE CHAMELEON OIL Co. Ltd. 4, ALBANY COURT YARD, LONDON. W.**EXTRACT OF LIQUORICE
and MENTHOL PELLETS.****CUSHION SHAPED.****THE ORIGINAL AND THE BEST.**

3s. 6d. per lb. Also in Tins at 2- and 4/- doz.

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REMEDY.****BOX'S
PILLS**WRITE FOR
TRADE TERMS.Re-christened
by the Americans**"The Great English Remedy."**

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SYRUP OF IODINE****THE GOLDEN REMEDY FOR—
CONSUMPTION and a
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IT IS PLEASANT TO TAKE, AND CHILDREN LIKE IT.

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Odourless, Colourless.*NEW
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A Powder-Food that CURES.
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Refined Salts are supplied, as
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Prepared only by Dr. E. J. SMITH (late House Surgeon to Charing Cross Hospital, London).

NON-POISONOUS. Guaranteed not to contain Cocaine or any poisonous alkaloid, or any poison whatsoever for Painless Extraction. Dr. Smith's Solution renders the Gum completely Anaesthetised and makes Painless Extraction a **Reality**, not a **Name**. Unaffected by Climate. Perfect safety. No Cocaine. No Poison. No Deaths. No Anxious Cases. No Sloughing. No After-effects. No Failures follow the injection of Dr. Smith's Solution. Dr. Smith's Solution has all the virtues of Cocaine and none of the vices.

Post free, United Kingdom, 4/- per 2 oz. Bottle. Post free to any part of the World, 5/- per 2 oz. Bottle.

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a natural constituent of the human organism, effects the oxidation of the products of the regressive metamorphosis, protects the cells against accumulation of pernicious auto-intoxications, and brings the reduced blood alkaliescence back to normal, &c. Favourable results are obtained in cases of **NEURASTHENIA, NERVOUS DEBILITY, SENILITY, HYSTERIA, DISEASES of the HEART (Myocarditis, Fat-heart), SYPHILITIC CACHEXIA, TUBERCULOSIS, TABES, IMPOTENTIA in NEURASTHENIA, CHRONIC RHEUMATISM, RICKETS, GOUT, ANAEMIA, &c.** In cases of **OVER-FATIGUE** and for **CONVALESCENTS**.

ESSENTIA SPERMINI-POEHL is given 30 drops three times daily, $\frac{1}{2}$ hour before meals, in Vichy or Milk. In serious cases **SPERMINUM-POEHL pro INJECTIONE** in ampullæ each containing one dose.

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*Autumnal Catarrh, Rose Fever,
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(Specific Antidote for Pollen Toxine).

Patented in Germany, England, the United States, &c.

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Mint, Rose, Lemon or Menthol Flavour.

In amber bottles, each 50 tablets,
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Quin. B.P. packed in neat decorated
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Minimum retail 1/- per box.**ANTISEPTIC CINNAMON & FORMALIN
LOZENGES.**A very effective combination with great
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bottles, each 50 lozenges, 5/6 per doz.
In bulk 3/- per lb.**ANTISEPTIC THROAT PASTILLES.**Thyme, Eucalyptol, Menthol, Gaultheria, Licorice,
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show jars, each 6 lbs., 10/- inclusive.
1 oz. tins 1/10 doz. 2 oz. tins 3/6 doz.
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LYPTUS CLOBULUS.**5 lb. tins 2/3 lb.; 10 lb. tins 2/2 lb.;
28 lb. tins 2/- lb. 3d. bottles 1/8 doz.
6d. bottles in cartons 3/8 doz. 1/-
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2 oz. tins 3/9 doz. Minimum retail
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*Recommended by the
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*Completely soluble in
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In liquid or capsule form.

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Is recommended to all Sufferers from

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The Bath is prepared by dissolving PIUTINOL in your Bath at Home.

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The salt is sold in tins at **6d.** and **1/-**, and in bottles at **1/6** each, net wholesale prices **3/6**, **7/-**, and **10/6** dozen respectively, and is stocked by all the London and Provincial Wholesale Patent Medicine Houses.

LOSALL'S SALT sells so well and yields so good a retail profit that it is strange we still keep receiving letters from London and the provinces enquiring where it can be obtained.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by 'The British Medical Journal,' 'Health,' 'The Chemist and Druggist,' 'Food and Sanitation.'

ASK FOR SHOWCARDS AND HANDBILLS. To be obtained of all Wholesale Houses.

PRICES PROTECTED.

Dr. Allinson's Food Preparations.

Food for Babies, Prepared Barley, Brunak, Power, N-F. Cocoa, Biscuits, Soup, Nutbutter (Walnut Blend), Wholemeal, &c.

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We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send post-card direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." None Genuine Without.

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Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only at prices stated upon the Price Lists we issue to the trade.

**Cheltenham Natural
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A natural Magnesia and Soda Sulphate Saline Water bottled by the Municipality from one of its Springs. AN ENGLISH WATER which as a saline aperient is equal in strength to and unexcelled by any of the German Waters.

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(STATE SPRINGS.)

"Celestins," "Grande Grille," "Hôpital," &c.

We beg to inform the Trade that the above has been placed upon the **P.A.T.A.** List, and the prices and terms from 1st February, 1910, will be as under:—

7/9 per dozen large bottles, or **31/6** per case of 50.**5/9** " " small " " **23/6** " " " 50.**TERMS: Strictly net, Carriage Paid in the United Kingdom.**

The Minimum Selling Prices to the Public have been fixed at:

9d. per large bottle }**6½d.** " small " }

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PURE ORANGE WINE

VINUM AURANTII, B.P., prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

London Agent: **JAMES STIRTON, 23 ST. DUNSTON'S HILL, E.C.**

Established
1855.**ROBINSON'S ORIGINAL**Excise Drawback on
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When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Conc. (U.S.) 4/- per lb.	Aqua Cassiæ Conc. ... 4/- per lb.	Aqua Menth. Virid. Conc. ... 4/- per lb.
" nethi, Concent. ... 4/- "	" Flor Aurant. ... 8/6 "	" Pimentæ " ... 4/- "
" nisi " ... 4/- "	" Sumbuci Conc. ... 8/6 "	" Pulegiæ " ... 4/- "
" lamphoræ " ... 4/- "	" Fœniculi Conc. ... 4/- "	" Rosenarini " ... 4/- "
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" cinnam. Ver. Conc. ... 6/- "	" Ang. Conc. ... 6/- "	" Virginæ " ... 10/6 "

The above may be had in ¼-lb., ½-lb., or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.

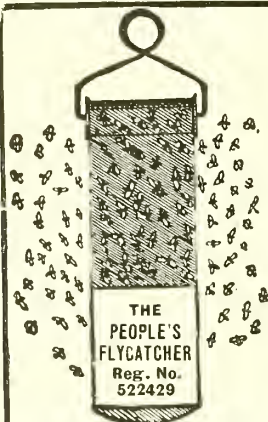
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THE PEOPLE'S FLYCATCHER

Full Length 40 in.

No Drying up.

Acknowledged the neatest and cleanest on the market

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P.S.—It will pay you to see my sample before ordering elsewhere.

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"TIGER" BRAND.

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Wholesale only from:—

REITMEYER & Co.,
63, Crutched Friars, London, E.C.**Equal to the
Natural Otto.**

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Spurious "SILVERDRAWN" Tooth Brushes are being stamped "SILVERDRAWN" and offered to the Trade, which are NOT made by us, and to prevent loss and disappointment Chemists desiring our make of Brushes will please in future order through our recognised agents, our travellers, or direct from the works, Axminster, Devon.

BIDWELL, BIDWELL & CO.

SUPPORT HOME INDUSTRIES.



Winter Issue, 1909, pp. 86, 87.
Diary, 1910, pp. 56, 57.

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KENT'S
BRUSHES.**

BEETHAM'S "LAROLA"

(Registered)

Is the Skin Tonic for 1910.

*It is effective.**It is attractive.**It is price-protected.**It is well-advertised.**It sells readily.**It bears a good profit*

HAVE YOU OUR SHOWCARD

THIS IS WHAT THE "C. & D." SAYS OF IT:—

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks and she and the setting make so bright a picture that pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the original of Glycerine-and-Cucumber and Larola.

This handsome Show Card, in 14 colours (size 24 by 17), can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, Cheltenham

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The **ORIGINAL** and by far the **BEST** Sticky Fly Paper in the market.

Gives a Profit of **140** per cent.

**WE HAVE REDUCED
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WITH ORDER AND
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To meet the demand for a Fly Tape (which under some conditions is more convenient than a Fly Paper), we have produced the Cemetery Fly Tape, which is strongly made and most efficacious.

**6/8 per gross net cash with order,
carriage paid.**

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Telegrams—"FLIES READING."

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**THE DOOMO
AIRSHIP
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A wide band sticky on both sides unrolling like a blind.
6s 6d. gross, post paid on receipt of P.O.
FLYODOOMO - the old favourite Fly Paper.
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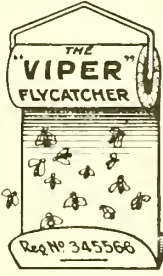
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**Prompt Deliveries! Big Profits!
Quick Returns!**

True Flycatchers. Come to Stick!

Send for Samples. They bear out our claims.

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(30 years' experience in the manufacture of Birdlimes and Flygums.)

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Chemists' and General Printers,

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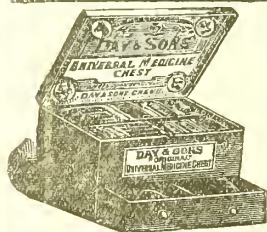
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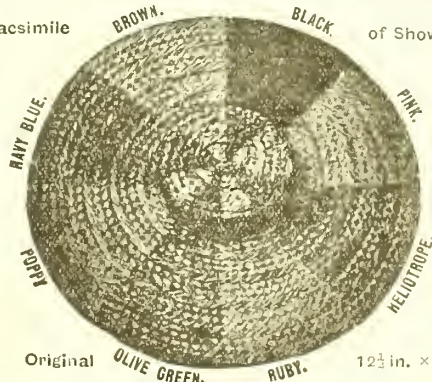
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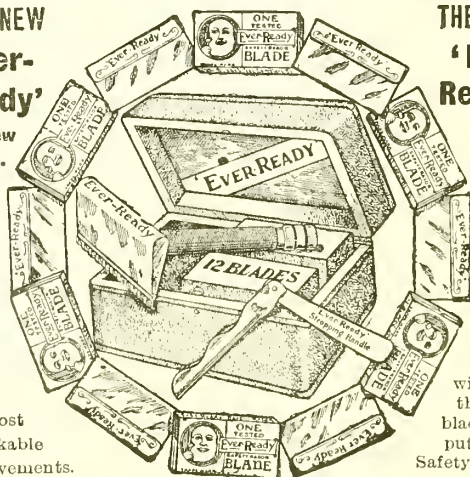
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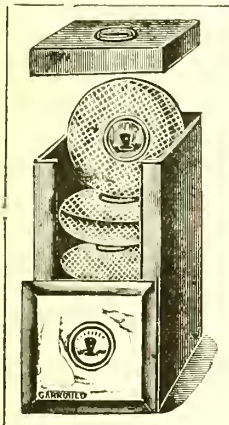
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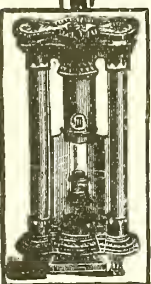
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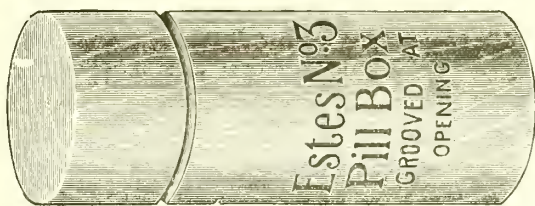
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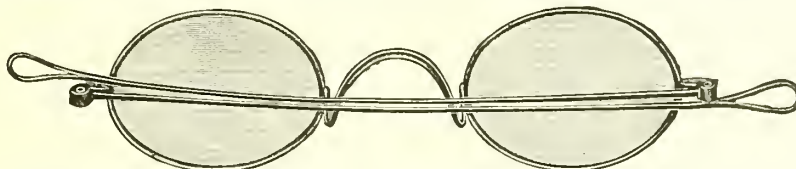
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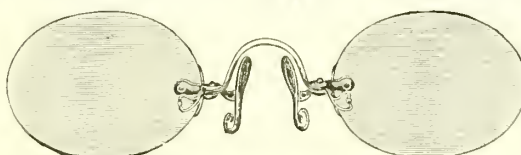
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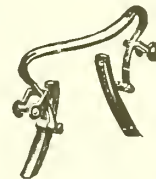
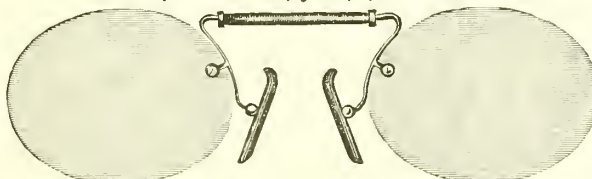
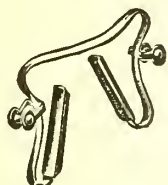
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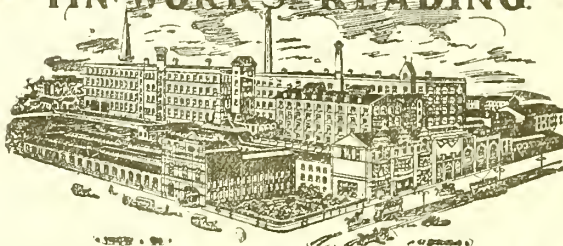
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SOLUBLE QUININE PESSARIES.



THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in **RED INK**, are upon each box thus:

Registered
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without which
none are genuine.
No. 182,688.

W. J. Rendell
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Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

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Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

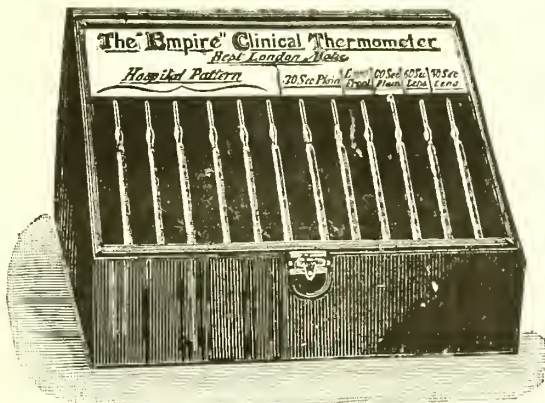
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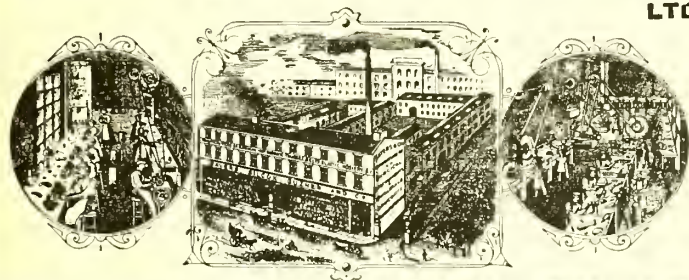
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Six gross assorted or otherwise sent carriage paid.

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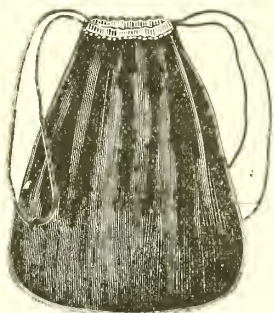
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Made from extra heavy
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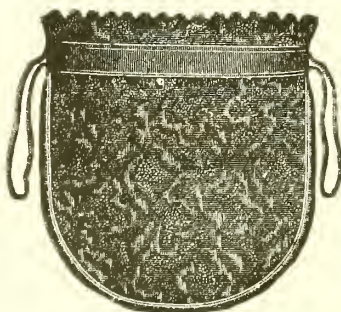
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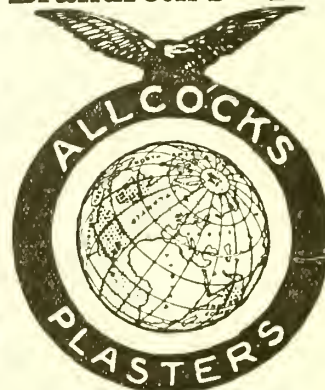
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*In Drab, Pink,
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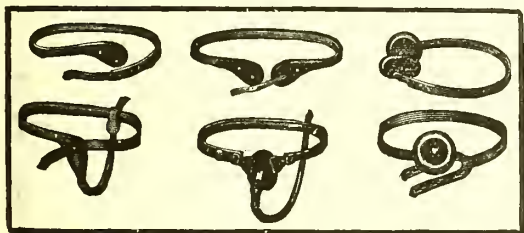
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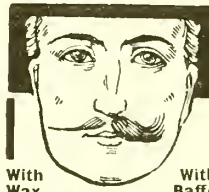
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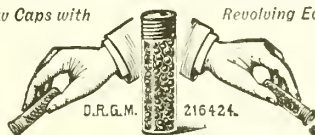
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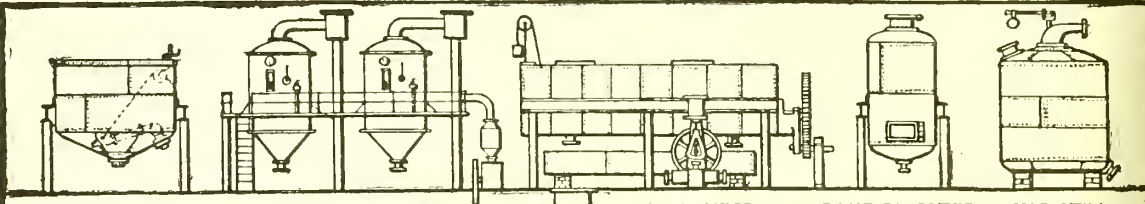
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WHOLESALE PRICES OF PHOSFERINE.**CASH WITH ORDER.**

1/1½ size Phosferine	...	10/2½ per dozen net
2/9 " " "	...	25/6 " " "
4/6 " " "	...	40/9½ " " "

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Being a highly Concentrated Medicine, its storage occupies very little of the valuable space in a Pharmacy.

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recommendation that can be claimed for no other Proprietary Medicine.

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To Imitators or Dealers in Imitations of

PHOSFERINE.**PERPETUAL INJUNCTION**

WITH

DAMAGES AND COSTS,

obtained against Frederick John

Fowles for using the word

PHOSFERQUIN.

In the High Court of Justice,

CHANCERY DIVISION.

Before MR. JUSTICE COZENS-HARDY.

Between ASHTON & PARSONS, LIMITED,

Proprietors of "Phosferine" (Plaintiffs)

AND

FREDERICK JOHN FOWLES (Defendant).

A PERPETUAL INJUNCTION with damages and costs was granted on the 14th December, 1900, restraining the above-named Defendant, his servants and agents from in any manner infringing the Plaintiffs' Registered Trade Mark, 6,530, and from selling or offering or exposing or advertising for sale or procuring to be sold any medical preparation not prepared by the Plaintiffs under the name of "Phosferine" or under any other name which by colourable imitation of the Plaintiffs' word "Phosferine" or otherwise was calculated to represent or lead to the belief that such preparation is "Phosferine" or is a preparation of the Plaintiffs, and from selling or supplying any such preparation as aforesaid in response to orders for "Phosferine" or for a preparation of the Plaintiffs or from otherwise passing off or enabling or assisting others to pass off any such preparation as aforesaid as or for "Phosferine" or a preparation of the Plaintiffs.

All information relating to the infringement or dealers in infringements of "Phosferine" will be confidentially treated, and should be addressed to the proprietors of "Phosferine,"

ASHTON & PARSONS, LTD.

LA BELLE SAUVAGE, LONDON, E.C.
LUDGATE HILL,

Or to Messrs. J. E. EVANS-JACKSON & CO.,
Patent Agents,

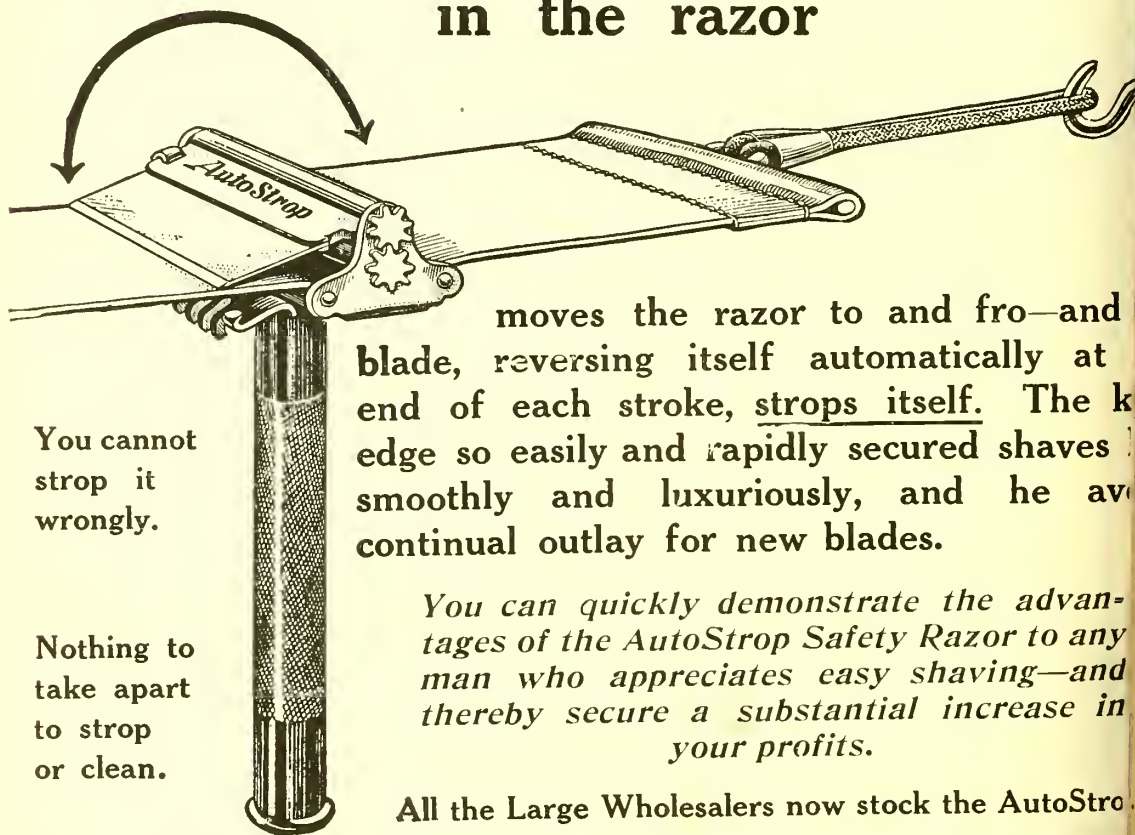
Bristol House, Holborn Viaduct, E.C.

The fact that a safety razor blade soon loses its edge gives no concern to the customer who buys an

AutoStrop

SAFETY RAZOR

from you. He simply inserts the strop in the razor



You cannot strop it wrongly.

Nothing to take apart to strop or clean.

moves the razor to and fro—and the blade, reversing itself automatically at the end of each stroke, strops itself. The keen edge so easily and rapidly secured shaves him smoothly and luxuriously, and he avoids continual outlay for new blades.

You can quickly demonstrate the advantages of the AutoStrop Safety Razor to any man who appreciates easy shaving—and thereby secure a substantial increase in your profits.

All the Large Wholesalers now stock the AutoStrop.

AutoStrop Safety Razor Co. Ltd.

61 New Oxford St., LONDON, W.C.

Also at DUBLIN, PARIS, NEW YORK, and MONTREAL.

PRICES.

Retail ...	...	21/-	each.
Wholesale (3 doz. lots)	...	14/-	each.
Smaller quantities	...	14/9	...

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MAY 7, 1910

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules.

Telephone: No. 652 Bank (two lines).

Telegraphic Address: "Chemicus London."

It pays to pay for advertising
in this Supplement.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1. LONDON, N.W.—Dispensing and Retail, of good class; position unique; returns exceed £1,700 per annum; *net profit above the cost of retail trade*; well-appointed shop; long lease; further particulars on application.

2. MAIDA VALE (near).—Increasing locality; modern trading; returns over £2,500; yearly increase; attractive shop; corner position; price £1,350.

3. LONDON, S.E.—Good-class Retail and Dispensing Business; up-to-date trading; capital position; returns £976; *net profit* £259; the shop is very attractive, is handsomely fitted and stocked; no man house; 21 years' lease; price £750.

4. LONDON, S.E. (Suburban).—Genuine Retail and Dispensing Business, with Post Office; attractive, well-fitted shop, with good trade; returns last year £1,066; good residence; low rental; worth attention; price £720.

5. SYDENHAM.—Good-class Business, Retail, Dispensing, and up-to-date trading; present rate less; well-fitted, roomy shop; recent house and garden; price required, £350.

6. LONDON, W. (Suburban).—Modern Pharmacy; returns under management £908; *gross profit* £374; price £650.

7. TOTTENHAM.—Ready-money Business; returns between £950 and £1,000 per annum; *net profit* £276 (proof given); price £400; the cause of sale.

8.—MIDLANDS (Cathedral City).—Retail, Dispensing, and Photographic Business; exceptional position; returns average £1,500 yearly; well-fitted, roomy shop; good house; price required, £1,000.

9.—HOME COUNTY.—Good middle-class Business; returns over £1,000; excellent opening for a young, energetic man; vendor retiring; rent £32; no serious opposition; price £600.

10.—CHESHIRE.—Well-established Pharmacy, situate in pretty locality; returns last year £660; *gross profit* £360; house has 6 rooms, bath, etc.; rent £32; 12 years' lease; price £450.

11.—NORTH OF ENGLAND (Market Town).—General Retail Business; commanding position; returns £514; excellent opening for Photographic and Optical; roomy premises; inspection invited. price £475.

12.—BUCKS.—Old-established Business; central position; returns £800; *gross profit* £531; several Proprietaries are included; large house and held on lease; price £600; inspection invited.

13.—SOUTH COAST (Fashionable Seaside Resort).—Established Business; returns last year £890; *profit (gross)* £540; good house, private entrance; price required, £500 or valuation.

14.—HANTS.—Cash Retail and Family trade; returns exceed £500 yearly, at fair prices; scope for extension; rent £31; lease if desired price £360.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers.

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 160 Y.

F. J. BRETT, M.P.S., gives personal attention to all VALUATIONS. An experience of over thirty years is at your disposal.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

£450 returns.—**MANCHESTER** (near).—Very nicely fitted shop; thoroughly genuine concern; at £250; very sound investment.

£900 returns.—**ESSEX**.—Thoroughly sound Family Retail, with exceptionally good Proprietaries; stocked by wholesale houses; good boating; price £800, or £100 goodwill of specialities and valuation of stock and fixtures.

£2,000 returns.—**YORKS**.—High-class Retail and Dispensing, in fine position of good residential town; net profit £400; price £900.

£560 returns.—Dispensing and Light Retail; net profit nearly £200; returns can be doubled, as no Patents, etc., are kept; valuation about £300.

£800 (over).—**DEVONSHIRE**.—Light Family Retail, with fair Dispensing; nice house; price £500.

£500 returns.—**HANTS**.—Light Retail, with plenty of scope for increase; valuation of stock and fixtures, about £350.

PARSON C. BAILEY

174 VICTORIA ST., LONDON S.W.

Recommended by—MESSRS. BARRON, HARRIS & CO.
Telephone: MESSRS. MEGGESON & CO.
No. 27 Victoria MESSRS. BARCLAY & CO., LTD.

NEAR CHESTER.—Under manager returning over £50, at good prices last year, and now doing £13 10s. weekly, with Side-line, or any advertisement; good corner shop in beautiful district, rent only £32; price £200 or valuation of stock and fixtures.

BATH.—Old-established; returns £500 to £600; price £200 valuation; rent £40.

INCREASING Cash Business; first year £560; price £250 valuation; rent £55.

FAMILY Dispensing; Midlands; returns £2,000; net profit £450 rent £70; price, valuation and one year's net profit, or offer will be considered.

In LEEDS, for £130, or valuation, or offer; returns £200; rent £20 TEN miles out, for £100, or valuation; returns £360; rent £30.

FREDK. WM. SMITH

Licensed Chemists' Valuer

Businesses for disposal, Valuations for transfer, Probate &c. Stocks and fixtures purchased to any amount for cash. Stocktakings undertaken, personally conducted.

3 Belgrave Terrace, LEEDS Telephone 2949.

TOMTOM

Telegraphic Address.

THOS. TOMLINSON & SON.
Chemists' Valuers and Expert Stocktakers.

Businesses transferred privately.

29 NEW CANNON STREET, MANCHESTER.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—**NORTH OF ENGLAND.**—Photographic Chemist's Business, returning £4,000; net profit £600; handsome shop; in best position; heavily stocked; owner retiring; price £1,600.

2.—**SUSSEX COAST.**—Good-class Retail and Dispensing; returns nearly £1,200; excellent position; price £150 and valuation.

3.—**NOTTS.**—Light Cash Retail; returns £600; net profits £200; good prospects; large shop and house; price, valuation, or offer.

4.—**CHESHIRE.**—High-class Dispensing and Retail; returns £660, increasing; net profit £230; good house; price £450.

5.—**HANTS (Market Town).**—Light Family Retail; returns over £500; good profits; low rent; heavily stocked; price £360.

6.—**DEVON.**—Profitable Light Cash Retail; returns £480; good position; fully stocked; price about £200.

7.—**LONDON, S.E.**—Light Retail and Dispensing; in good position; returns £1,200; handsome shop; price £850.

8.—**LONDON, S.W.**—Light Cash Retail; under manager; returns £500; excellent profits; good house and shop; price £360.

9.—**SCOTLAND.**—High-class Dispensing Business; returns £1,400 to £1,500; net profit £400; very best position; price £150.

10.—**LIVERPOOL.**—Light Retail and Dispensing; returns £750 net profit £200 to £220; excellent house; price £400, or valuation.

11.—**SUFFOLK.**—Unopposed Light Country Retail; returns about £800; net profit £250; good house; low rent; price £450.

12.—**SOUTH COAST.**—Good-class Retail and Dispensing; returns £750 to £800; gross profits £350; valuation required.

13.—**MIDLANDS.**—Sound General Retail; in market town; returns over £500; plenty of scope; low rent; price, valuation, about £350 worth attention.

14.—**MIDDLESEX (10 miles out).**—Light Cash Retail; returns £500; rent £36; good house, garden; price £175; £50 cash remain.

15.—**WESTERN SUBURB.**—Good-class Business; returns £1,200 net profit £240; splendid position; price £450.

16.—**NORTH LONDON.**—Cash Retail and Prescriptions; returns £654; net profit £260; books properly kept; price only £75.

STOCKTAKINGS. SPECIAL NOTICE.

Below are some reasons why you should have a yearly Stocktaking:

1. You know the exact profit made, which is so important in arriving at the value of a business.
2. You know whether you are overstocked and where you can reduce.
3. You know if you are fully insured against Fire and with our book you can make an indisputable claim.
4. In the event of your wishing to sell, you know the exact value of your business, which would otherwise save disappointment to either vendor or purchaser.
5. In the case of branch shops it is an absolute necessity, if they are to be carried on with success.

MESSRS. BERDOE & FISH invite Chemists to write for their new and special terms for Stocktaking, which have been Revised and include a Scheme whereby no one now need go without this necessary and all important work being done.

40 YEARS' PRACTICAL EXPERIENCE.

See page 132 "C. & D. Diary," 1910.

P. ALEXANDER,

LICENSED EXPERT VALUER,

3, GRAHAM ROAD, LONDON, N.E.
PERTAKES VALUATIONS FOR SALE,
LEASE, PROBATE AND STOCKTAKING
on reasonable terms.

WELL-KNOWN EXPERIENCE TO LONDON HOUSES.

Wanted and for Sale. Chemists' and Assistants' Wants Undertaken.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents, or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and particulars can be sent to us direct or through the advertiser's correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

COLONIAL BUSINESSES.

Draw the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with buyers either at home or in the Colonies.

Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

GLoucester.—A good sound Business for Disposal; residential neighbourhood; 14 years established; large shop; convenient low price; owner obliged to give up. Full particulars on application, 27/34, Office of this Paper.

GLoucester (suburbs).—Profitable Business; returns nearly £500; thoroughly genuine; good opening for Dentistry; full particulars and price on application; also Business doing £550 per annum; unqualified man; in good position in main road; capable of increase by qualified man; price £250. Particulars from Charles Jones, Druggists' Sundriesman, 32 Navigation Street, Gloucester.

GLoucester.—Light Retail and Dispensing Business; neglected through ill-health; must be sold; owner ordered abroad; first offer of £450 accepted, or £200 down, balance in instalments; returns 4 years average £900; good Proprietaries; Returns 1,000; Patents 20 per cent.; scope for Dentistry and Dispensing; house and shop; rent £58; lease 16 years; rates £17; net profit £230; fitted in mahogany; good clean stock. "Value" (29/21), Office of this Paper.

GLoucester, S.E.—Traveller has a good sound Business for Sale; takings £8 to £10 weekly; £125 cash. 5 Chantry Road, Brixton.

GLoucester, S.W.—Old-established Light Retail and Dispensing Business; returns average £570; net profit £200; ill-health of owner; must be sold quickly. Apply, Coatsworth & Co., 10, Clapham, S.W.

GLoucester, N.E.—Chemist's and Dentist's Business; middle class; established by the present proprietor 34 years ago, who now wishes to retire; will be sold at a fair valuation, about £800; good takings; low rent. "Lex" (27/16), Office of this Paper.

GLoucester.—Magnificent corner premises in busiest part of market thoroughfare for Sale; takings to date this year £400; capable of great increase under pushing management; Mixed Business, doing excellent profits; a month or longer trial to likely purchaser could be arranged; lease 18 years to run; rent £80; price £1,200; part could remain if required; banker's reference essential; investigation. 29/38, Office of this Paper.

GLoucester, W.—Nicely fitted and well-stocked Pharmacy, in busy thoroughfare; returns last year £560; net profit £150, increasing this year under personal supervision; good house; rent only £10; part can be let off at 10s. per week; reasons for disposal, owner going to India for Dentistry; cash price £275. 30/10, Office of this Paper.

GLoucester Suburb.—Good-class Light Retail, Dispensing, and Prescribing Business, occupying a splendid position and showing a steady increase; returns about £2,000; handsome modern Pharmacy, fitted in best style and exceptionally well stocked; price reduced £1,300; books properly kept; only cash buyers entertained. Apply, "A. P. S." (30/9), Office of this Paper.

GLoucester.—For Sale, at once, well-established Shop in main street of city; good stand; little or no opposition; for cash price; quick sale; retiring from trade. 27/20, Office of this Paper.

ORANGE RIVER COLONY.—Good Business in growing town; returns over £1,500 per annum; healthy climate; fine prospects for increase; good profits; cash required £700 (about). Droguiste, P.O. Box 159, Maritzburg, Natal.

S.W. ENGLAND.—Country Drug Stores, with Dental Practice, Optics, Prescribing, own Specialities; returns £432; exceptionally profitable; qualification not essential; splendid opportunity for one with some experience of dentistry; good house, with garden and greenhouses; rent £25; cash required £250. 19/35, Office of this Paper.

SOUTH.—Branch Business, doing about £5 weekly under bad management; district extending in all directions, and offers a fine scope for business ability, energy, and enterprise; good house attached, with side entrance. "Digitalis" (28/19), Office of this Paper.

SOUTH COAST.—Dispensing and Photographic Business, returning about £1,000, with unlimited scope for increase, and showing about £250 net profit; shop centrally situated, modern front, substantially fitted and fully stocked; immediate sale desired; price £650, or close offer. References must accompany first letter to "Statim" (26/21), Office of this Paper.

SURREY (suburb).—Good-class Retail and Dispensing Business; main thoroughfare; nearly opposite theatre; returns over £550, and capable of increase on Store lines; good profits; attractive shop; modern, double-fronted windows; nine-roomed house and nice garden; long lease; price £350, or near offer. Address, "Rhei" (28/12), Office of this Paper.

WEST London Suburban Business for Disposal; takings £720; capable of much increase; best position; main road; tram terminus; good house; well-fitted, modern shop; takings £720; net profit about £300; value of stock and fixtures, £450; rising district; £450 cash. Clempson, 87A Churchfield Road, Acton.

YORKSHIRE.—Light Retail Business; returns about £600, all cash; lease; convenient house; population of district 6,000, and increasing; well-fitted shop, double fronted; opening for Dentistry and Optics; unopposed; established 14 years; ill-health sole reason for disposal; price £275 for quick sale. 28/7, Office of this Paper.

BUSINESS for Sale in a Yorkshire Cathedral City in populous thoroughfare; well-fitted shop, nicely stocked; good house and warehouse; good profits; grand opportunity for Prescribing and Dentistry; a genuine bargain for a pushing man; price £135, which could be arranged to suit purchaser. Apply Jones, 15 Hillcrest Avenue, Leeds.

CHEMIST'S Business in the North of Scotland for Sale; a very desirable, old-established Business, situated in a commanding position in the principal street; high-class connection; several valuable proprietaries; Photographic Department; modern Pharmacy. Apply, W. Paterson & Sons, Wholesale Chemists, Spring Gardens, Aberdeen.

DRUG-STORES; returns nearly £500 under unqualified management; good residential neighbourhood; Optics, Photographics, and Dentistry practically untouched; rent under £50; there is a good living for smart qualified man who can tackle Optics and Dentistry. Full particulars apply to "Mildmay" (23/23), Office of this Paper.

FOR Sale, one of the oldest Drug Businesses in York, consisting of Retail, Agricultural, Prescribing and Dispensing, with a very good Sheep-dipping trade attached; in same hands 39 years; old age and failing health the cause of retiring; several Proprietary Articles introduced by the owner will be sold with the business, provided terms can be arranged. Apply, "Agricola," c/o Bleasdale, Ltd., Colliergate, York.

GENUINE bargain; proprietor retiring; Dorset; an old-established Chemist and Druggist's Business to be sold; finest position, next General Post Office; only requires inspection; every investigation welcomed. Apply, "J. F. C." (25/12), Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

HERBAL DRUG-STORE, situate at 3 Foundry, Winson Green, Birmingham; opened five months; doing £3 5s. without Patents, under lady's management; easily doubled; rent 8s. clear; stock £50, fixtures £50; illness cause; this is a most genuine offer; may be inspected any time at above address; must sell at once.

OLD-ESTABLISHED Chemist's Business for Sale; Liverpool; main thoroughfare; very large population; good profits; experienced Prescriber could do well; well stocked; good house; low rent; price £30 cash or £50 by instalments; suit qualified or unqualified; owner has other business. W. H. Jackson, 157 Great Homer Street, Liverpool.

WHY work for others when you can buy a Business bringing in £190 a year for £280? It is situate in a pretty Surrey suburb, and consists of Light Retail, Dispensing, and Photography; there is an opening for Optics; satisfactory reason for Disposal. "Alum" (23/4), Office of this Paper.

£40 or near offer; compact lock-up shop; rent 10s. weekly; established years; receipts have been £12 weekly; stock reduced owing to proprietor's ill-health; situated in row of good shops leading from important station; populous neighbourhood, with large scope to increase business. Address, "M.," c/o 72 Herne Hill Road, S.E.

£80 cash buys sound Business, including clean stock, £40; returns £38s; good profits under lady's management, unqualified; scope for increase; population increasing; healthy village, Worcestershire; unopposed; proved living; rent £24 10s. clear; good shop, main thoroughfare, with small house attached, and garden; immediate possession; satisfactory reasons for selling. 23/25, Office of this Paper.

£175 (Manchester Suburbs).—Old-established Country Business for Disposal; splendid opportunity for energetic man; no opposition; shop well stocked; very good living accommodation; rent 10s. per week clear. Apply to A. Harrop, 121 Haughton Green, Denton, near Manchester.

£275.—For immediate Disposal, Cash Retail and Prescribing. Drug-store in London; takings £700 with good profit; lock-up shop; rent, including rates, only £45; modern fittings; electric light throughout. Apply, 29/39, Office of this Paper.

£320 net profit; takings £890; old-established good-class Family Business; no side-lines; good house and garden on lease; rent £60; price £700. 155/46, Office of this Paper.

BUSINESSES WANTED.

BUSINESS wanted in country town or large village; neglected one entertained; cash payment of £180, balance by arrangement; garden desirable; no agents. Full particulars to "Provincial" (25/26), Office of this Paper.

MESSES. BERDOE & FISH desire to inform intending vendors that they have a number of cash buyers still unsuited and desirous of purchasing Businesses returning from £800 to £2,000; strictest confidence can be relied upon and a speedy transfer assured. Address, 35 Jewry Street, Fenchurch Street, E.C.

M.P.S., with available capital, desires the quick purchase of good Retail and Dispensing Business; no objection to Optics or Dentistry. State returns, net profit, and price, with other particulars (in confidence), A. H. Evans, Warley, Dorchester.

WANTED, a genuine Business in healthy district, returning about £15 weekly; profits must be good; must bear strictest investigation; small town or seaside preferred. Send full particulars to "Chemist," 1 Coronation Street, Warrington Road, Lower Ince, Wigan.

WANTED, first-class Retail and Dispensing Businesses; from £1,000 to £5,000; have buyers with cash waiting. 159/69, Office of this Paper.

SALES BY AUCTION

WAREHOUSE OR FACTORY, AT THE LOW UPSET PRICE OF £750.

FIELD, SONS & GLASIER will SELL by AUCTION at Mart, E.C., on MONDAY, MAY 30, 1910, at 2, the commanding Mercantile Premises, 42 Southwark Street, S. to London, Southwark, and Blackfriars Bridges, and affording 9,500 ft. floor space.

Particulars, etc., of Messrs. W. J. Fraser & Soa, Solicitors, 78 Dean Street, Soho Square, W., or of the Auctioneers' Offices, 54 Borough High Street, S.E., and 5 Waterloo Place, S.W.

BY ORDER OF THE CONSIGNORS.

PERFUMERY AND EXTRACTS removed for convenience to 73 SOUTHWARK STREET, S.E.

TOPLIS & HARDING will SELL by AUCTION, on the 73 Southwark Street, S.E., on WEDNESDAY, MAY 10, at one o'clock punctually, a Stock of PERFUMERY and EXTRACTS, consisting of Musk, Vervain, Oppopanax, Violet, Prima Rose d'Espagne, Clover and Rose of France, Crystal Healer, Cologne, Brilliantine, and numerous miscellaneous Extracts in fancy bottles. May be viewed the Saturday and Monday preceding. Catalogues had of the Auctioneers, 66 Cannon Street, E.C.

SALVAGE STOCK.

Important Sale of Stock of Wholesale Druggists' Sundries recovered from the recent fire at Messrs. Barclay & Sons, Warrington Street, E.C., the whole but slightly damaged.

TOPLIS & HARDING will SELL by AUCTION, at 73 SOUTHWARK STREET, S.E., on TUESDAY, MAY 10 and WEDNESDAY, MAY 11, at one o'clock punctually, on account of the Liquidation of Messrs. Barclay & Sons, the Salvage Stock of Wholesale Druggists' Sundries, comprising:

Soaps of many kinds, Eau de Cologne and other Perfumery, Extracts of Meats, Emulsions, Embrocations, Plasters, Hair Restoratives, Washes, Vaseline, Tooth-powders, Babies' Foods, Fruit Lozenges, Pills and Medicines, and numerous miscellaneous proprietary Articles now lying at

73 SOUTHWARK STREET, S.E.,

where they may be viewed on the Saturday and day preceding. Catalogues may be had on the premises and of the Auctioneers, 66 Cannon Street, E.C.

AGENCIES.

AGENTS wanted, throughout the Kingdom and abroad, having a good connection with the Wholesale trade, by old-established London import firm of European crude Drugs. Write, stating, stating terms and references, to 21/33, Office of this Paper.

AGENTS required in all parts of Great Britain and Ireland, already calling upon Wholesale Druggists' Sundries to carry Speciality and Side-lines; state ground covered required. Reply, 26/5, Office of this Paper.

REPRESENTATIVE wanted by Manufacturers of Perfumery Products, and Pharmaceutical Preparations (strictly class firms only), for Austria-Hungary and the Balkan States. He should be a diplomaed Pharmaceutical Chemist well acquainted with the Chemists and Druggists, with first-class references, versed in languages, to introduce new Specialities. Apply to the Advertising Office of Rudolf Mosse at Budapest.

TO LET.

SHOP to Let; exceptionally good opening for a Chemist and Druggist; situated in a fast-growing neighbourhood. The Chemist is much needed; no other Chemist in the room. Address, 86 Moyser Road, Streatham. Apply, H. Thorp, 100, Road, Streatham.

60 Fortune Green Road, West Hampstead, N.W.; excellent opening for Chemist, this business not being represented in the immediate neighbourhood; shop and 7 rooms; rent £50 per annum, on lease. Apply to owner, Rathbone, 14 Westbere Road, West Hampstead.

FOR SALE.

FOR Sale, entire Stock, Fixtures, etc., of Chemist's business; must be sold owing to expiration of lease; no reasonable offer for lot refused. Apply, "Chemist" (25/1), Office of this Paper.

PARTNERSHIPS.

OF SCOTLAND.—Partner wanted in a good-class, well-established Dispensing Business with turnover of £1,200 a year. A young, energetic, qualified man this would afford an excellent opening. Apply, Gordon & Whitelaw, Writers, Dumfries.

Old-established Druggists' Sundries house (private limited company), with a view to extension, wish to introduce a young Chemist, with original ideas and thorough knowledge of Wholesale Drug trade; capital required, £2,000 or more. 160/45, Office of this Paper.

YOUNG qualified Chemist would like to hear of a genuine advantageous offer; capital £300; must bear the strictest investigation. "Tee" (23/25), Office of this Paper.

APPRENTICESHIPS.

LONDON.—Excellent opening for Apprentice in Wholesale Manufacturing Chemists; first-class experience in Manufacture of B.P. Preparations, Galenicals, and Assay Chemistry. Apply, 157/8, Office of this Paper.

SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

RESULTS OF ADVERTISING IN THIS SUPPLEMENT

LAST WEEK **Apr 30 1910**
NATURE OF ADVT. REPLIES

WORKS MANAGER	30
QUAL. MANAGER	29
PHARMACIST	23
UNQUAL. ASSISTANT	22
MANAGING ASSISTANT	21
QUALIFIED MAN	20



Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED. OUR OFFICE on behalf of advertisers who use a quill or nom de plume.

TO SAVE TROUBLE.

Correspondents answering advertisements in this Supplement close remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

NUMBER IN TERMS OF THE ADVERTISEMENT AND

MEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BRIEF BUT CLEAR—millions of applications are consigned to a waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials before him.

RETAIL.

ABINGDON (Berks).—Junior Assistant wanted, accustomed to fixed Country business; outdoors. Apply, giving full particulars experience, references, and salary required, to W. Smith Ltd., Chemists, Abingdon, Berks.

BIRMINGHAM.—Junior (21), at once; used to good-class Cash business; excellent references required; personal interview possible; liberal treatment to capable man. Brown, Pharmacist, 100, Birmingham.

BIRMINGHAM.—Branch Manager.—Wanted, a thoroughly competent and gentlemanly qualified Assistant for a good-class Cash Dispensing business; outdoors. Apply, with full particulars of age, height, experience, salary required, and, if possible, enclose a photograph, to Hedges & Son, Pharmacists, Dale End, Birmingham.

BOVEY TRACEY.—Wanted, qualified Manager for neglected Country Branch. Could see any London applicants at Chemists' Exhibition Monday afternoon, or write to Bibbings, Pharmacist, Newton Abbot.

BOURNEMOUTH.—Assistant (unqualified) wanted, June 1, of good height, appearance, and address, for Retail and Dispensing; knowledge of Homeopathy preferred. Apply, giving usual particulars, references, and salary required, to "Manager," Gilbert & Hall, 15 Commercial Road, Bournemouth.

BROMLEY (Kent).—Unqualified, gentlemanly Assistant; not over 26 years of age; abstainer; unmarried; good references. State usual full particulars, with photo and salary required (outdoors), Henry Francis, M.P.S., 22 High Street, Bromley, Kent.

CLAPHAM, S.W.—Junior for brisk suburban Retail, Dispensing, and Photo business; good Salesman and Window-dresser preferred. If not personal application, send photo, with usual particulars, to J. Timmis, 290 Clapham Road, S.W.

CUMBERLAND.—Wanted, immediately, an Assistant for Agricultural and good-class country Business; outdoors; must be reliable and energetic; a permanency. State experience, salary, references, photo (returned), "Aconite" (27/36), Office of this Paper.

FARRINGDON GENERAL DISPENSARY AND LYING-IN CHARITY.

17 Bartlett's Buildings, Holborn Circus, E.C. Established 1828.

LADY Dispenser; salary £50; a vacancy having occurred for the office of Dispenser, the Committee of Management invite applications, which must be made on a form obtainable from the Secretary and forwarded, with not more than three recent testimonials, on or before May 11, to the undersigned, from whom all further information can be obtained.

CHARLES NELSON, Secretary.

GORDON HOSPITAL, Vauxhall Bridge Road, S.W.—Dispenser.—Applications for the above post should be sent, with copies of testimonials, on or before May 14 next, to the Secretary, from whom all particulars can be obtained.

HERNE BAY.—Competent Assistant for season; good Counter-man; Photographic knowledge necessary. H. & F. Pyman, Herne Bay.

LIVERPOOL.—Wanted, a qualified Assistant; outdoors; good-class Dispensing and Light Retail; to manage; permanency; reliable and capable; good references. Experience, age, height, salary required, etc., to 26/23, Office of this Paper.

LONDON, S.W.—Qualified Assistant; with good Dispensing experience; about 23; indoors. Also an Apprentice. Apply, W. H. Bate, 44 Harrington Road, South Kensington.

LONDON, W.—Qualified man, about 25 or 26, outdoors immediately. Apply personally, or if by letter give age, salary required, references, and enclose photograph, to R. A. Port, 62 South Audley Street, W.

SITUATIONS OPEN (continued).

LONDON, S.W.—A smart Assistant wanted for high-class Cash Business; good Dispenser, knowledge of Photography; first-class references essential. Apply, with full particulars, to H. S. Durbin, 19 Victoria Road, Surbiton, S.W.

LONDON, W.—Manager, qualified, wanted for Dispensing business; outdoors. Apply, by letter, stating age, height, previous experience, and salary required, "Pharmacist," c/o Battley & Watts, Elephant Yard, Fore Street, E.C.

LONDON, W.—Qualified Assistant with good Dispensing experience; 3 assistants kept; outdoors. Apply personally, or give full particulars of previous engagements, age, height, salary expected, and when disengaged, to Sharpe & Son, 34 High Street, Notting Hill Gate.

LONDON, W.—Qualified Assistant wanted; indoors; accustomed to a first-class Dispensing business; age about 25. Apply to S. W. Ord, c/o J. L. Bullock & Co., 3 Hanover Street, Hanover Square, W.

LONDON, W.—Qualified Assistant; 24 to 26; June 1; Counter and Dispensing, with Continental experience preferred; indoors; knowledge of Photography. State experience and enclose photo (if possible), to T. A. Kempston, 48 Regent Street, W.

LONDON.—Junior for busy Store trade; outdoors; Window-dresser and good at Photographics; whole or part time could be arranged; good Stockkeeper. Reply, stating age, height, salary, references, and, if country, enclose photo, to 30/6, Office of this Paper.

LONDON, N.W.—Assistant wanted; Minor; 2 kept; partly indoors; age about 24. Apply, personally or by letter, giving full particulars, to C. Coult's Michie, Chemist, 175 Kentish Town Road, London, N.W.

LONDON, N.W.—Assistant wanted; 2 kept; indoors; experienced in Dispensing, Counter, and Photography; age about 25; comfortable home. Apply, giving full particulars, to "Velox" (29/37), Office of this Paper.

LONDON, N.W.—Part-time Assistant; comfortable home, board, lodging, time for study, and fair salary offered to gentlemanly man about 25; one accustomed to brisk Retail preferred. W. G. Tucker, Queen's Crescent, N.W.

NORTH STAFFORDSHIRE INFIRMARY AND EYE HOSPITAL, HARTSHILL, STOKE-ON-TRENT.

QUALIFIED Assistant Dispenser wanted, at once. Commencing salary £80 per annum, with dinner daily. Applications, with three testimonials of recent date, to be sent to the undersigned not later than Tuesday, May 10, 1910.

By order,
T. BASIL RHODES, M.B., B.S.,
Secretary and House Governor.

ROYAL SOUTH HAMTS AND SOUTHAMPTON HOSPITAL.

QUALIFIED Dispenser (male) required. Minor qualification necessary. Salary £60 per annum, with rooms, board, and washing. Applications, stating age, with three recent testimonials, to be sent to the undersigned before the 12th inst.

T. A. FISHER HALL, Secretary.

May 3, 1910.

SOUTH AFRICA.—Wanted, a qualified man, unmarried, to take Senior position in a good-class Retail; salary commencing at £20 per month; bedroom provided; passage paid out; good prospects. Apply, "L," 54 Queen Elizabeth Street, London, S.E.

TUNBRIDGE WELLS.—Capable Assistant for front Counter in Dispensing business; age about 25 years; qualification not essential; abstainer preferred. Apply, with details of experience, stating salary required and enclosing photo, to A. E. Hobbs, 33 Mount Pleasant, Tunbridge Wells.

VENTNOR.—Immediately, Assistant; about 22; best-class Retail and Dispensing; knowledge of Photography essential; qualified or not; indoors; half-holiday weekly; a good Junior entertained leaving apprenticeship if experienced. Usual particulars, stating when disengaged, to Dunning, Ventnor.

ASSISTANT, qualified, to manage small Branch; well up in Photography. Full particulars, salary (outdoors), enclose photo, to T. M. Holmes, Grove Pharmacy, Bowness-on-Windermere.

BRADLEY & BOURDAS require a qualified Assistant, accustomed to first-class business; must be a quick and accurate Dispenser; indoors. Apply, enclosing photo (to be returned), to "A," 48 Belgrave Road, S.W.

GENTLEMAN, young, required as Dispenser with Doctor in Eastern Suburb of London; permanency and full time be smart and not afraid of work. Address, 30/16, Office of this Paper.

IMMEDIATELY.—Manager, qualified, single, for middle-class business; not over 30 preferred. Apply, giving full particulars of previous engagements, age, height, salary required, enclose photo (to be returned), to S. Daniel & Co., Cash Chemist, Swindon.

IMPROVER or Junior (indoors) for Retail and Agricultural business; one with knowledge of Photography preferred; 10 hours; weekly half-holiday; splendid opportunity for study; comfortable home. Full particulars of experience, with salary required, to J. W. Manuprize, Chemist, Otley, Yorks.

JUNIOR Assistant wanted for a short time during illness; must have good references. Apply, Llewellyn, Chemist, Carmarthen.

LOCUM wanted, qualified, to Manage Light Retail and Dispensing, commencing May 12th inst. Apply, Coatsworth & Co., Old Town, Clapham, S.W.

MR. ROGERS will have a vacancy very shortly for a qualified Assistant. Please give full particulars in first letter, to Mr. A. Rogers, 327 Oxford Street, W.

MANAGER for Branch, middle-class trade; live on or near premises; moderate hours; Prescriber and smart Counsellor. Full particulars in first letter to "Ucal" (28/17), Office of this Paper.

OPTICIAN.—Manager for small business required; must have good knowledge of Optics and Sight-testing; also a thorough knowledge of Photography preferred; state age, references, and former experience; permanency. Watsons, High Street, Sheffield.

PHARMACEUTICAL.—Wanted, qualified man (R.C.) for first-class house; thoroughly experienced Dispensing and Counter State age, experience, references, salary expected (outdoors) Company" (23/34), Office of this Paper.

PHOTOGRAPHIC Assistant: well up in all Cameras and accessories, Lanterns, Slides, etc. Watson, 34 Grainger Street, Newcastle-on-Tyne.

QUALIFIED Manager; thoroughly experienced and capable; from 35 to 40; one required who can superintend the operation of both Wholesale and Retail lines; old-established business; good opportunity for a pushing man. Apply (first letter) giving experience, age, height, and when disengaged, enclosing photo, to 28/16, Office of this Paper.

REQUIRED, by Doctor in the Midlands, a Dispenser (gentleman). Kindly reply at once, giving full particulars to age, experience, salary, and references, to 26/10, Office of this Paper.

SMART Chemist wanted as Manager for Leeds suburban branch; Sunday duty; best references indispensable. Apply to Chambers, 14 County Arcade, Leeds, stating age, salary required, full particulars. P.S.—Applicants' letters not replied to if days are declined.

WANTED, qualified Assistant to Manage small branch; Retail; single; easy hours; live on premises. Full particulars to Clarke, Chemist, Chepstow.

WANTED, for good-class Family Business, a capable Assistant; with latest references, and photo if possible (to be returned), to John Saville & Sons, Pharmacists, York.

WANTED, an Assistant, about 23 to 25, qualified, for Dispensing business; London or South Coast experience preferred; salary (indoors), experience, and full particulars, 27/11, Office of this Paper.

WANTED, Assistant, one day weekly, 10 A.M.-10 P.M., stating terms, references, etc., to J. W. Green, Chemist, Nunhead, S.E.

WANTED, a qualified Assistant, age about 23 to 25, accustomed to good-class Dispensing business, for West-end; also unqualified Assistant as Junior. 29/27, Office of this Paper.

WANTED, a Junior Assistant or Improver; indoors; knowledge of Dispensing and Photography essential. Reply with photo, and usual particulars, with salary required, to N. Pharmacist, Burgess Hill, Sussex.

TED, experienced, qualified Chemist (Major man preferred) to Manage business for widow in East Yorks. State experience, references, and salary required, 151/2, Office of this Paper.

TED, at once, a qualified Assistant; about 25; accustomed good-class business; must be a neat and accurate Dispenser, London or suburban experience preferred. Apply, enclosing, to J. Bietsoe, Pharmacist, Richmond, Surrey.

TED, for Ceylon, in up-country Dispensary, young Assistant (good minor qualification; 4 years' engagement. For full particulars apply, "Chemist," c/o Walker Brothers, 36 Basinghall St. C.

WHOLESALE.

IST, of good education and address, required an Representative; able to successfully interview members of the Medical profession. Give particulars of experience, salary required, age, "A. D." (159/48), Office of this Paper.

FLOOR.—Smart man with Export experience required by a London firm of Manufacturing Chemists. Apply, stating experience, to 158/302, Office of this Paper.

WOMAN wanted, experienced in putting up Toilet Articles and Perfumery; must be well-educated and a good disciplinarian. (157/69), Office of this Paper.

J. HASLETT, LTD., Belfast, require a thoroughly experienced and qualified man to take charge of their Wholesale and Sundry Department; must be systematic, energetic, and of taking complete control. Reply, by letter, stating experience, to 158/302, Office of this Paper.

PHARMACIST.—A young Pharmacist required, immediately, in the works of a large firm of Manufacturing Chemists. Applicant must be methodical, energetic, and have unexceptional references. Apply, stating age and salary required, to "T. D." (158/302), Office of this Paper.

REPRESENTATIVE.—Wanted, Representative who has live connection amongst Medical Men and Chemists, to take up, on commission, high-class Side-line. Write full particulars and references, in strictest confidence, to "Alpha" (26/2), Office of this Paper.

REPRESENTATIVES wanted, with good connection amongst Chemists and Perfumers, to sell new high-class French Perfumery, etc., on liberal commission only. State fullest particulars already carried, ground covered, periods of call, etc., 26/35, Office of this Paper.

REQUIRED, by a firm of Druggists on the South Coast, an experienced Tablet Maker, who has been accustomed to the compressing of Effervescent Tablets. Apply, "A. B. C." (157/13), Office of this Paper.

TRAVELLER wanted for Glasgow and district by a well-known firm of Wholesale Druggists and Manufacturing Chemists; must be energetic and have thorough knowledge of the trade and a good connection amongst Chemists, Doctors, and Veterinary Surgeons. Applications, strictly confidential, stating age, full particulars of experience, with ground covered, salary required, and photograph, if possible, 26 13, Office of this Paper.

TRAVELLER with connection amongst Doctors and Chemists required for the Western Midlands and North Wales by Wholesale Drug House. State experience, salary, and commission required, age, etc., 150/72, Office of this Paper.

TRAVELLERS required throughout the United Kingdom calling upon Retail Chemists, to carry a most promising Side-line; a most liberal commission will be allowed, but only first-class men with good connections are invited to reply. Write, with particulars, "R." (28 26), Office of this Paper.

WANTED, for London and the South, a good Traveller, with connection amongst Chemists, for old-established North Country Printing Office doing largely in Specialities. Apply, 22/27, Office of this Paper.

WET COUNTER.—Smart man wanted by a firm of Manufacturing Chemists. Apply, with full details of experience and wages required, to 158/32, Office of this Paper.

WHOLESALE TRADE.—Wanted, young man used to making uncoated Pills and Tablets; preference given to one who can make Suppositories. 158/69, Office of this Paper.

YOUNG gentlemen wanted to call on Wholesale Perfumers, Druggists, and Sundriesmen to push high-class Printing for Perfumes and Soap, Fancy Perfume-cases, and Druggists' Sundries; salary and liberal commission allowed; only one Traveller employed. All applications must contain full particulars, references, etc., and be addressed to 159/72, Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; **6d.** for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

YOUNG, unqualified, desires position of trust; excellent references; can deposit security; hard worker; own Proprietaries; married. Apply, "H. R." (25/19), Office of this Paper.

SITUATIONS WANTED

[HOME.]

RETAIL.

Dispenser, Hall qualification, seeks situation. F. Würger, the Hewletts, Radstock, Bath.

URDAY evenings; Retail or Dispensing; 30; qualified. Argon," 60 St. Mary's Road, Peckham.

TH Coast; season or Locum; qualified; experienced. Williams, 28 Upper Parliament Street, Liverpool.

IOR; Medical Preliminary with honours; 3½ years' experience. Irvine, Wick, Gulberwick, Shetland.

IOR; 20; 3 years' experience; disengaged; North preferred. J. W. H., 128 Prospect Road, Scarborough.

PERIENCED; disengaged; outdoors; London; permanency or Locum. "Qualified," 32 Redburn Street, Chelsea.

MANANCY; qualified; single; brisk business; varied experience. "Chemist," 17 Halidon Street, Hackney, N.E.

Assistant (unqualified), in or out door, to Chemist and Druggist. Address, Illingworth, 14 East Parade, Bradford.

SISTANT; outdoors; 34; unqualified; permanency; good reference. Forbes, 7 Princes Terrace, Grange Road, Birkenhead.

CAPABLE Assistant seeks berth; part or full time; if part, within reach of School of Pharmacy. Hughes, 23 Alexandra Road, Wrexham.

DOCTOR'S Dispenser requires situation; Hall qualification; good references; London preferred. "B.", 11 Langdon Road, Bromley, Kent.

CHEMIST'S Assistant (lady) requires post near Manchester; over 12 years' Dispensing and Retail experience. "Confidence" (14/25), Office of this Paper.

JUNIOR; 19; outdoors; Dispensing, Photography; abstainer; disengaged in June; Eastern Counties preferred. Apply, "A." (25/18), Office of this Paper.

TWO CHEMISTS.—Dispenser to Doctor, 7 years, requires situation with opportunity to learn Counter work; active; small salary. Moss, 217 Homead, Ledbury.

PHARMACIST (24), best-class experience, desires Locum or temporary berth; thorough knowledge Dentistry, Photography. McCarthy, Calder Street, Blackburn.

MANAGER; qualified; married; good experience; interest in business later; 20 years in business for self, 15 months here. Fitton, Drug-stores, Leckhampton, Cheltenham.

ACTIVE, qualified single man; good varied experience and references; any class trade; town or country; disengaged next week. "Chemist," 17 Halidon Street, Hackney, London.

LOCUM; qualified; tall; 25; West End and provincial experience; excellent references; booking June 11 to August 14. Rock, c/o Hawker Brothers, Deaman Street, London Bridge.

SITUATIONS WANTED *(continued).*

JUNIOR or Improver; 5 years' experience. C. E. Wood, 24 Eaton Street, Uttoxeter.

LOCUM; qualified; Fairchild scholar; booking for summer. Hall, 63 Paget Street, Cardiff.

IMPROVER seeks berth; good references; 4 years' experience. 88 Shacklewell Lane, Dalstou.

LADY Assistant; young; whole or part time. "Dispenser," 5 Montpelier Street, Brighton.

QUALIFIED; 45; Manager, Assistant, or Locum; disengaged. "Pharmacist," 46 Bridge Street, Hereford.

UNQUALIFIED; 27; 10½ years' Dispensing and Photography. Hall, 80 Park Road, Tramere, Birkenhead.

UNQUALIFIED; 21; tall; excellent reference; North preferred. Flint, 4 Margaret's Buildings, Walcot, Bath.

MANAGER; qualified; good Agricultural experience; disengaged May 28. Proudfoot, High Street, Stevenage.

UNQUALIFIED; 30; Counter, Dispensing, Photographic; Extractor; energetic. Buckley, Upper Dale Road, Derby.

TEMPORARY engagement, May 11; high-class experience; unqualified. Collier, Beetham & Clark, Cheltenham.

LOCUM; disengaged until May 28; qualified; excellent recent references. "A.," 41 Palmerston Road, Birmingham.

PART-TIME, mornings 9-3; Stock, Clerical, Photographic; unqualified. "B.," 27 Montpelier Road, Kentish Town.

MANAGER; qualified; 26; F.S.M.C.; excellent references. Marshall, 9A East Gardens, Robinson Road, Tooting, S.W.

HOSPITAL, Institutions; Relief Dispenser; mid-age experience; reliable; registered. "M.P.S.," 31 Cambridge Road, Sidcup, S.E.

MANAGER; qualified; outdoors; best experience and references; City or West End preferred. "W. S.," 2 Malvern Road, Kilburn, N.W.

MANAGER or Senior; qualified; married; age 32; 5 ft. 10 in.; Extractor; excellent references. "D.," 835 Ashton Old Road, Higher Openshaw, Manchester.

LADY Dispenser, Hall certificate, desires post with Doctor or Institution; good experience and references. "Dispenser," 52 Elgin Avenue, Maida Vale, W.

LOCUM; permanency preferred; 46; abstainer; disengaged; Hall; moderate salary; town or country; Extractor; in- or out-doors. Watson, 164 Powis Street, Woolwich.

QUALIFIED; 27; disengaged after Whitsuntide; permanency desired in Dispensing business; outdoors preferred. Calderbank, The Lawu, Ambergate, Derby.

PART-TIME in London; unqualified; tall; 22; Counter, Dispensing, and Photographic experience; excellent references; disengaged May 30. R. E. Norrish, 5 The Paddock, Dover.

GENTLEMANLY youth, tall, good appearance (16½), just left school, wishes to enter good Chemist's business. Address, J. Meiklejohn, Stanway, Clarence Road, Harpenden.

FRENCH Assistant (aged 29), speaks English, 10 years' experience Paris, desires situation in this country; voluntary services for board and lodging. Curie, 5 Harringay Park, Crouch End.

MANAGER, etc.; qualified; disengaged; large all-round experience; town or country; single; good Prescriber, Extractor, etc.; moderate salary. "Pharmacist," 37 George Street, London, N.W.

DENTISTRY. — Registered man, long experience, will visit Chemists and undertake all work within 30 miles London; salary or will share fees. "Dentist," 72 Marylands Road, Maida Vale.

ASSISTANT (French), 30 years, wants situation (volunteer first month), in a good-class London Pharmacy; 9 years' French experience. Roberts, c/o Henry Kybert, 21 Clifton Road, Crouch End, N.

DISENGAGED; 25; tall; 7 years' experience; splendid testimonials; Lancashire or seaside preferred; unqualified; or Doctor's Dispenser. "Zingiber," 26 Devonshire Street, Ardwick, Manchester.

LOCUM; qualified; disengaged till May 25. S. Snoxell, Woodbridge Road, Guildford.

LOCUM or season; qualified; under 30; disengaged. "C.," 52 Lonsdale Street, Accrington.

QUALIFIED; 23; abstainer; evening employment in L. "Agurin," 45 Crawford Avenue, Liverpool.

LOCUM; qualified; reliable and experienced; disengaged; lent references. Peach, Oadby, Leicester.

LOCUM; Whitsuntide; 30 years' experience; qualified. Hannah Street, Crowcroft Park, Manchester.

ASSISTANT or otherwise; 37; reliable, experienced; dispenser. "Statin," 35 Melborne Road, Ilford.

MANAGER; permanency; town or country; unique experience; middle-aged. "M.P.S." (27/9), Office of this Paper.

YOUNG lady desires situation; 21; tall; Dispensing, Photographic; good references. 26/18, Office of this Paper.

LONDON.—Capable Assistant; good Prescriber, Photographic; Locum or otherwise; capital references. 29/30, Office of this Paper.

UNQUALIFIED; 31; all-round experience; good references; try market town preferred. "Prescriber" (28/22), Office of this Paper.

CAPABLE Assistant; 36; energetic; Dispensing, Counter, and Photographic; unqualified. "Aspirin," 51 Estate Road, Huddersfield.

QUALIFIED; 26; abstainer; Extractor; Liverpool district preferred; disengaged May 17. Pugh, c/o Lloyd, 14 St. Mary's Road, Garston.

DISENGAGED; 23; tall; experienced and capable Dispenser; good Counterman; abstainer; excellent references. Office of this Paper.

MANAGER; qualified; Locum, Relief; good all-round experience; excellent references; disengaged. "Pharmacist," Manchester Road, Southport.

DISENGAGED; gentlemanly Assistant; 26; good-class Dispensing; Counter experience; excellent references; reliable; like. W. P. Colls, Ewelme, Bedford.

ASSISTANT; 32; competent; Dispensing, Counter, and Photographic; good references; unqualified. "J.," 31 Elgin Avenue, Hyson Green, Nottingham.

ASSISTANT; 23; tall; abstainer; 8 years' experience; Dispensing, Photographic; Midlands or North preferred; disengaged end of May. 28/35, Office of this Paper.

DOES anyone in South Wales require a qualified man or for Branch? 24; good experience; excellent references. "Counter" (28/28), Office of this Paper.

QUALIFIED; good all-round experience; country preferred; Senior or Junior; married; 29; permanency; successful. "Radix," 35A Cato Road, Clapham.

ADVERTISER (30), having thorough knowledge of trade position of trust in Colonies; energetic, trustworthy, healthy. "Abstainer" (27/24), Office of this Paper.

CROYDON or district preferred, not essential; Branch or Assistant; qualified; 5 ft. 5 in.; 25; 9 years' experience; capable Dispenser. "Energetic" (27/3), Office of this Paper.

LIVERPOOL or Manchester.—Branch Manager; qualified; good all-round experience; exceptional references; abstainer. Replies to "Pharmacist," 20 Baden Road, Ilford.

ASSISTANT or Locum; unqualified; West End and country; highest references; capable of Management; permanency preferred; civility and courtesy. 323 High Street.

YOUNG Assistant, practical Chemist (French), speaks 8 months in London, good references and experienced situation London or country; moderate wages. 26/1, Office of this Paper.

ASSISTANT; 26; German; energetic; good experiences in English, German Dispensing, Photography; 1 month in Brussels; speaks French fluently; good knowledge of excellent references. R. Kracht, The British Pharmacy, St. Louis, Brussels.

MANAGER; 22; disengaged; London preferred. Bedford, 71 Brudenell Grove, Leeds.

DISENGAGED for a few hours daily; qualified. "W., 2 Lad-
like Crescent, W.

ASSISTANT; 32; good references; permanency. Weale, c/o
Chemist, Blaina, Mon.

MANAGER; qualified Pharmacist; disengaged. Adolph, 70 Tyn-
all Road, Leyton, N.E.

DOCTOR; accustomed to a Chemist's business. "H. E.," 82
Ed Road, South Kensington.

DOORS; Assistant; unqualified; London or suburbs. "J.,"
Russell Avenue, Wood Green, N.

LOCAL Assistant; Dispenser; unqualified; disengaged; outdoors.
"ix," 1 Heath Terrace, W. Greenwich.

DISENGAGED; unqualified; several years' experience. R. M.
Llan, 2 Rockville, Hautville, Guernsey.

UNQUALIFIED; 27; 11 years' Dispensing, Counter; City or S.W.
"W. E.," 96 Fawe Park Road, Putney.

MANAGER, Manager, or Locum; smart and active; good sound ex-
perience. "Chemist," 24 Salisbury Road, Leyton.

LOCAL or permanency; qualified Manager; middle-aged; ab-
stainer. "Phuacetiun," 10 Raby Street, Darlington.

MANAGER or Improver; 20½; tall; Dispensing, Photography; 4
years' experience. J. H. Martin, Melsonby, Darlington.

MANAGER, permanency, or Locum; best London and country
experience; qualified. "L." (30/13), Office of this Paper.

IMPROVER or Junior; 20; Lancashire town or city; knowledge
of Dispensing and Photography. 14/12, Office of this Paper.

DISENGAGED; Locum; good references; 10 years'; unqualified;
Manager. "H. C. B.," 59 Hunter Road, Ilford Lane, Ilford.

ASSISTANT; careful Dispenser and Prescriber; courteous and
able Salesman. "Aspirin," 8 Ardilaun Road, Highbury
Park.

MANAGER; middle-aged; London experience in first-class Phar-
macies; excellent references; disengaged. 17/10, Office of
this Paper.

UNQUALIFIED; reliable Branch Manager or Locum; abstainer;
single; excellent references. "Experienced," 20 Chapel
Street, Macclesfield.

MANAGER or Senior; outdoors; qualified; 26½ years;
first-class Dispensing experience; good references. Smollet,
Tunbridge Wells.

UNQUALIFIED; 35; height 6 ft.; single; good experience; Photo-
graphy; 3 years' reference; good address; disengaged.
32 Trinity Road, Tooting, S.W.

UNQUALIFIED Assistant or Branch Manager; 23½; all-round ex-
perience; Leeds or Bradford district; permanency required.
7 Salt Street, Manningham, Bradford.

RELIABLE, trustworthy Junior, now disengaged; 5½ years' ex-
perience; Photography, Window-dressing; London preferred;
reference. Clapham, Trafalgar Square, Barking, Essex.

LOCAL or permanency; smart, energetic man; varied experi-
ence, suburban, City, West End; good Dispenser, Prescriber,
Organiser. Forster, 5 Coleridge Road, Finsbury Park, N.

ASSISTANT; 27; tall; abstainer; 12 years' high-class experience;
Dispensing, Photography; undeniable references; London; out-
fitted; unqualified; smart appearance and address. 29/33,
this Paper.

MANAGER; 32; tall; single; well educated; good address;
registered; 16 years' first-class West-end and provincial Dis-
pensing and up-to-date Store experience; good Counterman, Pre-
siding Window-dresser; undeniable references. "Forward"
Office of this Paper.

ASSISTANT; unqualified; age 30; Extractor; good knowledge of
Vulcanite work, Counter, Dispenser; accustomed to manage
Branch; Scotch. Apply, 21/13, Office of this Paper.

COMPETENT and trustworthy Assistant desires permanent berth;
24; 9 years' experience; unqualified; outdoors; not London;
highest references; disengaged shortly. 23/29, Office of this Paper.

UNQUALIFIED; 22; good Counterman; Agricultural, Dispensing,
and Photographic experience; quick and accurate; good appear-
ance and address; not afraid of work. Roberts, c/o Mr. Body,
Pharmacist, Westcliff-on-Sea.

LONDON.—Experienced Manager; qualified; best-class all-round
experience; Buying, Photographic, Dispensing; good Counter-
man; age 35; height 5 ft 5 in.; married; experienced in sole
management; highest references. 27/40, Office of this Paper.

QUALIFIED (26), tall, gentlemanly, abstainer, desires position
as Manager or Branch Manager; South; energetic and trust-
worthy; thorough personal attention given; town and provincial
experience; undeniable references. Robinson, Hope Cottage,
Ventnor.

CAPABLE, gentlemanly unqualified Senior or Manager; have
managed several Branch businesses successfully; sound refer-
ences from present employer; age 36 years; married; permanent
berth wanted; good, conscientious services and certain satisfaction
given. "Scotsman," 1 Penalvern Villas, Norwood Road, Southall, W.

DISPENSER (qualified); young gentlewoman seeks post Doctor
or Chemist; experienced Surgery routine; assist books,
Bandaging; bright, quick; good references; London preferred; live
in or out. "D.," 23 Bessborough Street, Victoria, S.W.

WHOLESALE.

SOUTH WALES.—Energetic; tall; would take good Side-line.
"Medicus," 163 Cathays Terrace, Cardiff.

TRAVELLER; 25 years' experience; Drugs and Packed Goods;
moderate terms. 28/23, Office of this Paper.

CAPABLE young business man desires berth as Representative;
good appearance; energetic. 29/20, Office of this Paper.

BERTH as Traveller or Branch Manager; 15 years' good all-round
experience. Ashton, Chemist, South Yardley, Birmingham.

24; desires berth as Representative; smart appearance; good busi-
ness capabilities; energetic, reliable. 22/25, Office of this
Paper.

PHARMACIST; 28; good personality; capable interviewer; am-
bitious, and very energetic, is desirous of entering Wholesale,
where ability and hard work would procure progressive advance-
ment. "Trustworthy" (29/34), Office of this Paper.

REPRESENTATIVE for Indianrubber Surgical Bandages, etc.;
in connection with Hospitals, Chemists, and Shippers in London
and suburbs; now disengaged. 29/29, Office of this Paper.

REPRESENTATIVE seeks re-engagement; large personal con-
nection, Liverpool, Cheshire, North Wales, etc., Drug or Sun-
dries, with firm of repute. "Commercial" 109 Walton Breck Road,
Liverpool.

ADVERTISER, well known in North, desires position on travel-
ling staff (or Agency) of first-class firm; Perfumery, Sundries,
or Drugs, etc.; energetic and of good address. "Advance" (26/37),
Office of this Paper.

GENTLEMAN with well-established connection in the Northern
Counties and Scotland, wishes additional appointment, sharing
expenses, or good Side-line or Agency; good exploiter. "Muta,"
10 New Brown Street, Manchester.

THOROUGH practical man, of wide experience, Analytical, Manu-
facturing, Packed Goods, Toilet Specialities, and the general
business side of affairs, would be glad to accept any position of trust
for living wage. 24/5, Office of this Paper.

DRUGS, Sundries, Specialities, etc.—Yorkshireman, thoroughly
experienced, seeks position of trust in London house; keen and
up to date; capable of controlling, and could travel; age 25; in
London at present; interview arranged. "Ebor" (27/29), Office
of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—260 Baiss Bros. & Stevenson 5½ per cent. Preference, 19s. 3d.; 300 Baku Oil, 6s.; 500 Oil Trust 2s. shares, 10½d. premium; 20 Evans Lescher Preference, 45 4s.; 80 G. B. Kent 5½ per cent. Preference, 17s. 6d.; 10 Meggeson Preference, 78s.; 90 A. J. White Ordinary, 2s. 4½d.; 100 Preference, 10s. 4½d.; 100 Bengers Ordinary, 54s. 9d.

WANTED (subject).—40 Camwall Preference, 4s. 6d.; 500 Idris "A" Preference, 3s. 1½d.; 100 "A" Ordinary, 3s.; 100 A. J. White Ordinary, 1s. 9d.; 100 Preference, 9s. 7½d.; 50 Evans Lescher Preference, £5 1s.

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

BARGAINS IN SHOPFITTINGS (second-hand).—Two Plate-glass fronted Serving Counters, one 17 ft. long, price £12, another 12 ft. long, £8 15s.; wall Show-case, 10 ft. 6 in. long, mirror centre, price £12 10s.; Drug-fitting, 12 ft. long, £12 10s.; Desk and Perfume-case, 45s.; Plate-glass Counter-case, 5 ft. long, 80s.; quantity of other fittings, various sizes, great bargains. **PHILIP JOSEPHS & SONS, LTD.**, 93 Old Street, London, E.C.

CHEMISTS' Fittings, Drug-fittings, Dispensing-screens, Perfume-cases, Wall-cases, Counter-cases, Centre-cases, Counters, Window Enclosures, Drawers, All Shopfittings of every description (second-hand) at lowest prices that can't be beaten; get my estimate and save money; 30 years' practical experience. **George Cook, The Working Shopfitter, 8 Cross Street, Islington, London.**

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect **RUDDUCK & CO., 262 OLD STREET, E.C.**

SECOND-HAND Chemists', Shop, and Office Fittings for Sale; condition as new. **Congdon & Son, 77 Clerkenwell Road.**

CHEMISTS' SHOP-FITTINGS (SECOND-HAND). — Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens, counters with glass-case fronts, wall-cases, bent-front and flat-top counter-cases, counter-desks, tooth-brush cases, complete shop-rounds, etc.; every requisite for chemists; extensive stock to select from at extremely low prices; practical men sent to all parts; illustrated catalogues and estimates free. **MATTHEWS, CHEMISTS' FITTER, 14 and 16 MANCHESTER STREET, LIVERPOOL.**

THE owner of British Patents Nos. 5852 of 1906, entitled "Improvements in or relating to Apparatus for the Oxidation of the Nitrogen of the Air for the Purpose of obtaining Nitric Acid," and 5901 of 1906, entitled "Process for the Utilisation of the Nitrogen of the Air by the Oxidation of the same and of the Conversion of the Product into Nitric Acid or the Salts of Nitric Acid," granted to O. H. U. Brünler, is desirous of disposing of the Patents or entering into a working arrangement under license with firms likely to be interested in the same. In the alternative the owner would be open to consider proposals to Manufacture the Apparatus and to carry out the process to fill any requirements of the market in Great Britain on terms to be arranged.

The Patents cover inventions interesting to Nitric-acid producers and to Manufacturers of Chemical Apparatus.

Detailed information as to the inventions will be found in the Patent Specifications, of which copies will be supplied to any interested person on request.

Full particulars can be obtained from and offers made (for transmission to the owner) to Marks & Clerk, 57 and 58 Lincoln's Inn Fields, London, W.C.

SODA-WATER Trolley, on which a boy of 8 can easily convey 3 doz. syphons; will go through any doorway; dozens in use in all parts of the country; easily stored; sent on approval, carriage free; price 37s. Sole Makers, **Arthur & Co., Cambridge.**

GUMMED PRICE TICKETS

1/3

Crimson ground, white figures.
Stocked in all usual prices up to 2/11, each price banded separately in hundreds.
The Midget, 9d. per 1,000
The Magnum, 1/6
Assorted 10 prices.
Full illustrated list of Blanks for use with these tickets free on application.

10⁰

OUTLEY & CO., Ticket Writers & Printers, Holloway, London

Pharmaceutical Council Election, 1910

WE, the undersigned, having known Mr. F. E. BILSON well and in business, for many years, consider him qualified to represent the interests of the Retail Chemist, and trust you will give his candidature your favourable consideration.

Richard Winfrey, M.P., London.
G. E. Bridge, Mayor of Bournemouth.
Walter Hills, London.
T. H. W. Idris, London.
Charles Umney, London.
Francis Rose, Boscombe.
S. R. Atkins, Salisbury.
H. Wilson, Southampton.
Stewart Hardwick, Bournemouth.
E. H. Farr, Uckfield.
R. A. Cripps, Brighton.
R. H. Groves, Blandford.
F. W. Branson, Leeds.

Pharmaceutical Council Election.

LADIES AND GENTLEMEN,—It has been the practice for a member of Council seeking re-election not to issue an address. "It was undignified." The old order changeth and I am glad; still what can we do? All the addresses issued now advocate the things which I have been trying to do in the past; therefore I can only say that the best interests of the allied individual determine my actions in all Council work. One task I will make; Organisation is simple; the will and the spirit which are the difficulty.

Yours faithfully,
R. L. GORDON.

Blackburn.

"AS SUGGESTED IN YOUR LETTER"

writes my latest London suburban client, "I telephoned three of your refs. and THEY ALL SPOKE WELL OF YOUR METHODS. Enc enclosed." At the interview last Saturday it was the same man who said at its close, "I expected you were going to find me more work, but you appear to be going to take a lot off my hands." Which is quite true. I find ideas, do all the work, excepting that you have to serve the customers, count up more money each night. I can provide I say. The free booklet is yours for the asking. Specialties to men whose income is under £3 a week net.

*Bernard Slack, 9 King's
Tel. No 581. Wolverhampton*

A PHARMACIST TO HELP PHARMACISTS

That is what I am. When you engage my services you engage a Pharmacist like yourself. If you should be in doubt about the value of any speciality, if you require a good new one, special at five window shows, a booklet writing on Veterinary, Horticulture, General. Anything a Pharmacist wants is all included in my System. Write for copy of booklet, "How to Increase Your Business," which fully explains the same. Post free to Pharmacists only.

BILLYARD ALLISON, Pharmacist & Business Specialist, BIRMINGHAM

MANUFACTURING FIRM IN JOHANNESBURG

with large Stores centre town, also Laboratory equipped with qualified Analytical Chemist, are prepared to undertake **AGENCIES**. Large connection with Mines and Wholesale Druggists throughout South Africa.

No. 2223, Central News Agency, Ltd., Johannesburg.

TO THE MEMBERS OF THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

LEEDS: May, 1910.

LADIES AND GENTLEMEN,

Having accepted nomination as a candidate for the Pharmaceutical Council in the forthcoming election, I beg to place my views before you.

The indiscriminate granting of Poisons Licences is, I believe, not only an injustice to Pharmacists, but is fraught with the gravest danger to the public; every possible means should therefore be employed to check this evil.

The recent legal decisions as to place names have established a common right to the use of the word "Pharmacy," I would support any action having as its object the restriction of the word to premises conducted by a Pharmacist.

I should strongly oppose any lowering of the standard of qualification, or the admission of any persons to the register other than duly qualified Chemists and Druggists, or those who might hold Colonial Diplomas of equal value with the "Minor" certificate.

Tough, whilst I hold my present position, I should refuse to participate in the management of the Society's School of Pharmacy, or to take any part in the appointment of examiners, my long experience in educational matters might be of use to the Council at the present time.

My practical experience of the manufacture and use of Agricultural and Horticultural Preparations has been placed freely at the disposal of my brother Pharmacists. It might be of greater value to the craft, could it be at the intimate service of the Council.

That I possess the full confidence of my colleagues is indicated by the fact that I have for the last three years occupied the Presidential Chair at the Leeds Chemists' Association, and for two years that of the West Riding Federation of Chemists' Associations.

I trust, therefore, that I may hope for one of the even votes which it is your privilege to cast, and I can assure you that if elected I will do my best to merit your confidence.

Faithfully yours,

F. PILKINGTON SARGEANT,
Divisional Secretary, East Leeds.

National Union of Assistant Pharmacists.

PHARMACEUTICAL COUNCIL ELECTION, 1910.

DEAR SIR (OR MADAM),

REMEMBER

that as a Member of the Pharmaceutical Society you are now afforded the first real opportunity presenting itself of recording your opinion of the Pharmacy Act,

1908,

and the quality of statesmanship shown by its sponsors. It cannot be denied that as a legislative fact it has not realised the hopes held out to us, and it is evident that in the pursuit of the shadow the substance has been sacrificed. The Mercer case, the gross abuse of the poison licence clause of the new Act,

AND THE DANGERS

to the craft possible should the threatened influx of half-trained aspirants to full registration prove successful, must give pause to all who have the best welfare

OF A

responsible profession like ours at heart. As working pharmacists, and inheritors of future pharmaceutical responsibility, we refuse longer to be made the "pawns" of a

VACILLATING ADMINISTRATIVE,

and respectfully solicit your votes on behalf of our Candidates, who stand for the progressive N.U.A.P. programme outlined in the "C. & D." Supplement of the 23rd inst.

EMPHASISE THE GENERAL DEMAND FOR REFORM BY RETURNING

DOWTY & WALDRON,
THE N.U.A.P. CANDIDATES.

To the Members of the Pharmaceutical Society of Great Britain.

Gentlemen.

You were good enough in 1907 to elect me unopposed to your Council. I trust that my work there, as also that in connection with the P.A.T.A. and C.D.A., has commended itself to you, and should you think fit to return me, I shall be glad to do my utmost, as in the past, for the advancement of the craft. For over 20 years I have taken an active part in the affairs of the Exeter Local Association, and am a firm believer in the usefulness of such organisations and would advocate even a closer union with the Parent Society.

There are many things that I should like to see altered, but they can only be brought about by legislation.

I am in favour of an effort being made to secure an alteration in the law with reference to the word "Pharmacy," and strongly advocate the vigorous enforcement of the Pharmacy Acts.

Always at your service,

Yours very truly,

May 2nd, 1910.

PHILIP F. ROWSELL.

Exchange Column—Bargains.

TERMS.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No Advertisement inserted for less than 6d.

FOR DISPOSAL.

DENTAL.

DENTAL engine, chair, entrance door, lathes, instruments, tools, everything for use for workshop and surgery; no reasonable offer refused. HAIGH, 537 Oxford Road, Reading.

OPTICAL AND PHOTOGRAPHIC.

SEVERAL 2A Brownies, 12s. 6d., for 7s., as new; P.O.P. postcards, 14s. 1,000, packed in 100's, sample 100 post free 1s. 6d. MARTIN, Chemist, Southampton.

1/2-PLATE square bellows camera (extra extension) by Hare, every movement, Ross lens, changing-box by Hare; another, by Adams, with 12 extra sheaths, also Eastman film-holder, stand, best leather case, etc., original price over £20, will take £5; approval; deposit. CHAS. W. BRUMWELL, 72 Euston Square, N.W.
BEST cash offer (overstocked).—2 No. 2 Brownie cameras, 4 washing-tanks, enamelled, granitine 1/2-plate washer, 2 Lancaster's see-saw shutters, half-plate cloud negative, eight frames, 2 1/2 by 2 1/2 post-card frame, 3 print-trimmers, one hand-scales and weights, 5 photo-albums, 1/2 plate. KINGSTON, Chemist, Kildare.

PROPRIETARY ARTICLES.

OVERSTOCKED.—5 doz. 10 1/2 d. Pine Tree lung- tonic; 12 doz. 7 1/2 d. children's cough-mixture; 7 1/2 d. Bird's corn-flit; 1s. tooth-brushes, 39s. gross in 1 doz. boxes; 2d. assorted toilet-soap, 4-oz. tabs. in 1-doz. boxes; best offers? SNEATH, Chemist, Grimsby.

SHARES.

SHARES for Sale. See p. xlii.

MISCELLANEOUS.

AIR-BED, 6 ft. by 3 ft.; practically new. Particulars, TUFFIN, 49 Barnsbury Street, N.

OFFERS wanted, 6 lb. opium opt.; 5 doz. Wood's peppermint cure. 25/16, Office of this Paper.

SODA-FOUNTAIN, Stiles' "Regent," 4 syrups, 2 monitors; perfect condition. 30/8, Office of this Paper.

WOOD wool; overstocked; about 30 lb., in 1-lb. packets, 6d. per lb., the whole or part. J. C. LLOYD, Lewes.

PAIR safety razors; best make and condition; cost 15s.; 5s. 6d. MARSHALL, 118 Portland Road, Notting Hill, W.

SOUTHALL'S A materia-medica set; new in February; cost 30s., sell 17s. 6d.; all in perfect condition. NEWMAN, 8 St. Mary's Place, Chippenham, Wilts.

OVERSTOCKED.—About 20 gross 1/2-oz. burst-off bottles, 2s. 3d. per gross; 20 gross 1-oz. burst-off, 2s. 6d. per gross; 20 gross 2-oz. dispensing long vials, 4s.; also 9 gross carton-cases. Address, 13/1, Office of this Paper.

OFFERS.—Becker's analytical balance and weights; 48 Bruce Green's spectacles and folders; large specie-jar and stand. 4 doz. 6d. Judson's dyes; 6 2s. 9d. King's hop bitters; good condition. "PHARMACIST," 37 High Street, Wigton.

STUDENT'S chemical-apparatus, complete in box, excellent condition, 10s. 6d.; unsoiled, latest, post-paid B.P., 6s. 6d.; B.P. Codex, 9s.; Lowson's "Botany," 4s.; "London College Pharmacy Essentials," 3s.; Ince's "Latin Grammar," 3s. 6d.; Remsen's "Organic," 3s.; Humphrey's "Materia Medica," 4s. 6d.; good condition, post-paid, Perkins' "Organic," 3s. 6d.; Newth's "Inorganic," 3s. 6d.; Edmonds' "Botany," 1s. 3d. FARR, Yaxley, Peterborough.

WANTED.

BLISTER recipe, non-scheduled. DAVIES, Cattle-medicine Maker, Llanybyther.

COUNTER-CASES and silent salesmen; in good condition. BROWN, 53b Terminus Road, Eastbourne.

PRINTING press (small hand), suitable for labels, bills, etc. FRANKS, 170 Mary Street, Birmingham.

DENTAL outside showcase and sundries; Spon's "Recipes," 1st 3 vols. BARKER, Pharmacist, Burnham, Bucks.

RUN of drug-drawers, about 10 ft., also nest of counter-drawn; cheap. LLOYD, Chemist, Small Heath.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

TWO RED LETTER DAYS for PHARMACISTS

MAY 11th and MAY 12th.

Great Exhibition of UCAL SPECIALITIES, UCAL Advertising, & UCAL Business Building Methods

:: :: At CAXTON HALL, VICTORIA STREET, WESTMINSTER. :: ::

All Pharmacists invited. Pharmacists' goods only which are supplied only to Pharmacists. Great Sales, good Profits. Help to secure Pharmacy to the Pharmacist.

Make a point of visiting this unique Exhibition, open both days 11 a.m. to 9 p.m.

Printed for the Proprietors by SPOTTISWOODE & Co. LTD., New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—May 7, 1910. [E.]

